

The CHEMIST AND DRUGGIST

Established 1859

28 Essex Street, Strand, London, W.C.2

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MAY 29, 1937

Annual Subscription (with
Diary) 20/- Single Copies 9d.



W. FLETCHER, M.P.S.
Proprietor of The Butywave Co.

Announcing with pride...

Bū-to

A GUARANTEED ODOURLESS DEPILATORY

*The latest sensational
discovery in the cosmetic world*

- ★ ODOURLESS
- ★ EFFICIENT
- ★ PROFITABLE

Retails at 6^d & 1/6^d less 33¹/₃%

Introductory Bonus

13 to the dozen on opening orders

A heavy national advertising
campaign is commencing to-day in
The Daily Sketch.

SOLE DISTRIBUTORS TO THE PHARMACEUTICAL TRADE:

FASSETT & JOHNSON LTD

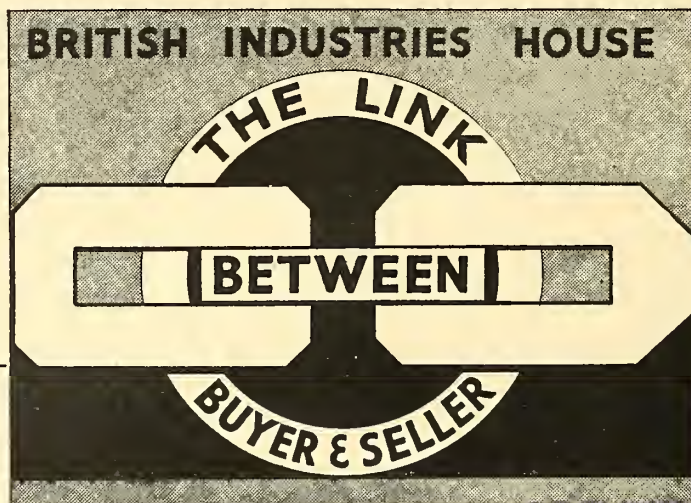
86 Clerkenwell Rd., LONDON, E.C.1

See further announcement on page 7.

THE BUTYWAVE CO., 5 RAMPAYNE ST., LONDON, S.W.1



THE MEDICAL SECTION



Buyers interested in the purchase of Medical, Surgical, and Pharmaceutical requirements are cordially invited to visit the Medical Section where full information is available and the products of a large number of British Manufacturers can be seen side by side.

The services of the Medical Section are free to enquirers and appointments between the representatives of Manufacturers and Buyers can be arranged at the House.

All visitors are eligible for nomination to membership of British Industries House Club with its unique facilities.

Special "At Home" Days :—
May 31st—June 4th.

When you buy
—Buy British and
you Buy Best.

WORLD BUYING
CENTRE FOR
EVERY MEDICAL
SURGICAL
PHARMACEUTICAL
OR HOSPITAL
REQUIREMENT

BRITISH INDUSTRIES HOUSE ● LONDON, W.1

★ ★ ★ G.L. PRODUCTS PRESCRIBED BY THE MEDICAL PROFESSION

THESE
ARE CHEMISTS'
FRIENDS
PRODUCTS



The pharmaceutical products of Glaxo Laboratories Ltd. are on the Chemists' Friends List and are extensively advertised to the medical and nursing professions.

OTHER  PRODUCTS OF SPECIAL INTEREST ARE:—

COLLOIDAL CALCIUM WITH OSTELIN . . . CALCIUM LEVULINATE (LEVULICALCIN) . . . WHEAT-GERM OIL EXTRACT (VITEOLIN CAPSULES) . . . EMMENOPLEX . . . ERBOLIN CAPSULES . . . ANTIVIRIN NASAL JELLY.

ADEXOLIN LIQUID

A practically tasteless standardised concentrate of vitamins A and D in natural balance. 20 times the potency of medicinal cod-liver oil. For infants . . . 2 drops in every bottle feed. $\frac{1}{2}$ oz. phials, 2/6; 2 oz. bottles, 7/6; 4 oz. 12/6; 8 oz. 22/6.



ADEXOLIN CAPSULES

Each 3-minim capsule is equivalent in A and D vitamin potency to 3 teaspoonfuls of medicinal cod-liver oil. Ante-natal routine—one daily during last 100 days. Boxes of 25, 2/9; 100, 8/6; 500, 30/6.



OSTOCALCIUM TABLETS

The first calcium tablet to incorporate adequate vitamin D. Each tablet contains $7\frac{1}{2}$ grains of calcium sodium lactate and 500 international units of vitamin D. For all conditions associated with calcium deficiency. New reduced prices: Tins of 50, 2/3; 100, 4/-; 500, 12/6.



OSTOMALT

A standardised concentrated malt preparation, rich in vitamins A, B, C and D in a convenient and extremely appetising form. Its tonic qualities are enhanced by calcium glycerophosphate. Children especially need Ostomalt to build up reserves against winter ills. Economical dosage (teaspoonfuls, not table-spoonfuls). $\frac{1}{2}$ lb. jars, 1/9; 1 lb. jars, 3/-.



SYRUP MINADEx

An appetising reconstructive tonic, specially designed for children. Combines the therapeutically active principles of Syr. Ferri Phosp. Co. and Cod-liver oil in one tonic, reinforced with copper and manganese. Restores tone to debilitated patients; combats anæmia; raises a barrier to infection. 6 oz. bottles, 2/6; 8 oz. winchesters, 22/6.



GLUCOSE - D

The only glucose reinforced with Calcium and Ostelin vitamin D. In everyday use, provides immediate energy. Widely prescribed also in acidosis, febrile illnesses and at times of mental and physical strain. Helps to prevent morning sickness and travel sickness. 1 lb. tins, 1/9; 7 lb. tins, 10/6.



FERSOLATE TABLETS

FERROUS SULPHATE G.L.

Each 3 gr. tablet contains exsiccated ferrous sulphate yielding exactly 1 grain ferrous iron together with 0.01 grain each of copper and manganese, and is therapeutically equivalent to 15 grs. Blaud's Pill B.P. Indicated in all microcytic and iron deficiency anæmias. Bottles of 100, 2/6; Tins of 500, 7/6.



OSTELIN LIQUID & TABLETS

The pioneer British concentrate of vitamin D. Completely miscible with water. Ensures correct development of bones and teeth; safeguards against rickets. Indicated in disorders of calcium-phosphorus metabolism. $\frac{1}{2}$ oz. phials, 2/6; 2 oz. bottles, 7/6; 4 oz. 12/6; 8 oz. 22/6.



DISSOLVED VACCINES G.L.

The organisms, being in solution, can stimulate the antigenic response immediately on injection. Being detoxicated, the vaccines can be given in sufficient and substantial dosage without provoking undesirable reactions. Available for prophylaxis and treatment of a number of conditions. In rubber-capped bottles 5 cc., 10 cc., 25 cc.



The above prices do not apply in I.F.S.

GLAXO LABORATORIES LTD., GREENFORD, MIDDx. TEL. BYRON 3434

GL218

A A

INCREASED ADVERTISING PRODUCES RECORD SALES

BIGGER ADS. IN MORE PAPERS!

Week after week, more papers and bigger advertisements, swell the volume of Fynnon advertising. Newspapers, magazines and radio, all tell the Fynnon story. And day after day, this new advertising is pulling in bigger sales, bringing quick profits to all chemists. Seldom before has any proprietary product achieved such a volume of turnover in so short a time! The success of this line shows that it fills an urgent public need, and pharmacists everywhere are discovering that stocks sell out as soon as they are shown. Keep your display in front of your windows and make the most of this forceful Fynnon advertising. **PRICES:** Wholesale 11/6 per doz. Retail 1/3 per tin.

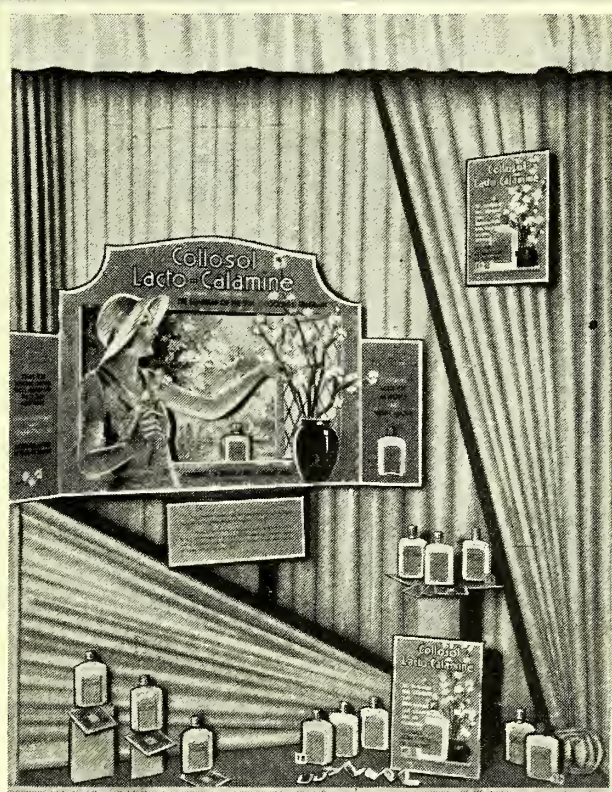
HAVE YOU SENT FOR YOUR DUMMY TINS?

We can now give all our customers Fynnon Salt dummy tins for window shows. Make sure you get your supply, for a display now will help you to get the maximum business from our increased advertising. If you have not yet applied for yours, write today to:—

MACLEANS LTD., GREAT WEST RD., BRENTFORD

Fynnon Salt

THIS ATTRACTIVE DISPLAY



To assist your sales

This attractive dressed window display or, alternatively, a mixed display for Lacto-Calamine, Zinc Cream and Karvol Insect Bite Lotion is offered in return for 3-dozen or 6-dozen bonus orders. Showcards for any of these products gladly supplied on request



This
PRODUCT
will soon be
"ON THE AIR"
from
RADIO
NORMANDY

Collosol
Lacto-Calamine
Prevents and relieves sunburn

THE CROOKES LABORATORIES (British Colloids Ltd.), PARK ROYAL, LONDON, N.W.10

T.G.S.



**B.B.C. Comedians
can help you as
a chemist!**

You, as a retailer, are not getting full advertising support unless your lines are advertised in the 'RADIO TIMES'

THE 'RADIO TIMES' LIST FOR YOUR TRADE

The following products are regularly advertised in the 'Radio Times' and are therefore assured of a steady demand. The second half of this list will appear in the next 'Radio Times' advertisement published in this journal.

Gibbs Dentifrice
Sif
Gibbs Shaving Cream
Dettol
Germolene
Izal
Halax Brushes
Cicfa
Erasmic Shaving Stick
Lux Toilet Soap
Crookes Halibut Liver
Oil
Kalsann
Phillips Yeast
Products

Palmolive
Jocigares
Sloans Liniment
Andrews Liver Salts
Painmint Syrup
Karmoid Tablets
Salfoin
Do-Do Asthma
Tablets
Carters Little Liver
Pills
Mothaks
Alcock Porous
Plasters
New Era Treatment

Comedians . . . famous dance bands . . . broadcasts from the ringside of World Championships . . . 2,800,000 people turn the pages of the 'Radio Times' during the week, looking up these items. And they see certain lines advertised. *But are they the lines you are stocking?*

Next time the traveller calls, ask him "Is your line advertised regularly in the 'Radio Times'?" If it isn't, then he's not offering the most powerful co-operation his firm can give you. Make a point of asking the traveller "Is your line advertised regularly in the 'Radio Times'?"

TELL THE TRAVELLERS YOU WANT THE

'RADIO TIMES'

MEMBER OF THE AUDIT BUREAU OF CIRCULATION

NET SALES 2,800,000 WEEKLY

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QUALITY SERVICE EFFICIENCY

The House for DRUGS, GALENICALS,
SURGICAL INSTRUMENTS, PATENTS
and SUNDRIES

We invite your patronage . . .

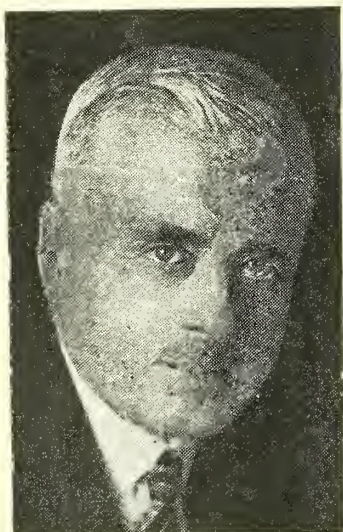
HOUGH, HOSEASON & CO. LTD

Head Office & Showrooms: BRIDGE STREET, MANCHESTER, 3

'Phone: DEANS GATE 4744 - 'Grams: SALICYLATE, MANCHESTER

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WILFRID HILL, Managing Director,
The County Perfumery Company

Wilfrid Hill says

TRADE MESSAGE No. 15

“FREE TRADER AND PROTECTIONIST, BOTH”

In politics I have a strong belief in the advantages of Free Trade. I cannot conceive any better policy for the welfare of humanity and the preservation of world peace. As far as Brylcreem is concerned, I am a Protectionist. I cannot think of Free Trade in connection with our popular product. Chemists and Hairdressers have helped me to build up the demand for Brylcreem and I like to express my appreciation of their loyalty in confining the sales of Brylcreem, as far as I can, to these legitimate distributors. Furthermore, I give generous profits, and again, in adopting a Protectionist policy, I prevent, as far as possible, the cutting of prices. Then again, I use Protection by spending money generously in advertising and maintain and increase public demand. In return for this policy, which is conceived in the interests of the Chemist and Hairdressing Trades, I ask for a continuance of their enthusiastic support.

BRYLCREEM

dominates the market



W. Fletcher,
M.P.S.

Proprietor of
The Butywave
Company

Announcing the appointment of
FASSETT & JOHNSON LTD.

as SOLE DISTRIBUTORS to the Pharmaceutical
trade in Great Britain and Northern Ireland of

Products of The Butywave Co.,

FROM JUNE 1st, 1937

6d. & 1/6 Bu-to
Hair Remover
3d. & 6d. Butywave
Shampoo
3d. & 6d. Butywave
Soapless Shampoo
6d. Butywave Soap-
less Shampoo (liquid)
1/3 Butywave
Baby Shampoo
6d. & 1/- Butywave
Wave Set
6d. & 1/- Butywave
Sun Burn Cream
6d. & 1/- Butywave
Sun Tan Toning
6d. Butywave
Anti-Sun-Ray Cream
etc., etc.

Twelve years' experience in the manufacturing and marketing of Butywave products, at home and abroad, have convinced me that distribution can be more actively controlled and directed when conducted distinctly apart from manufacturing.

I have therefore decided to adopt the same sales policy at home as that in practice for the overseas markets.

I have been fortunate in arranging with Messrs. Fassett & Johnson Ltd. to market Butywave products in Great Britain and Northern Ireland through their sales organisation. Their ability in this field is unquestioned. This will enable better and more effective distribution and service to the individual Pharmacists and their requirements.

I would take this opportunity of thanking my fellow Pharmacists for their support during the past twelve years, and trust that through the link formed with our good friends Messrs. Fassett & Johnson Ltd. a still closer collaboration will be maintained.

The Butywave Company,
5 Rampayne Street, S.W.1.

★ *From 1st June 1937 all orders for Products of THE BUTYWAVE COMPANY should be addressed to*

FASSETT & JOHNSON LTD.

86 CLERKENWELL RD., LONDON, E.C.1

'Phone : Clerkenwell 2336 'Grams : "Plasters, Smith, London"

*A Window Display
Competition with a "Prize"
for EVERY entrant!*

THE BONUS OFFER IS ALSO AVAILABLE TO NON-COMPETITORS

LYSOL LTD.

manufacturers of



have pleasure in announcing a

WINDOW DISPLAY CONTEST

OPEN TO ALL CHEMISTS—with the following Cash prizes:

1ST PRIZE - £25

2ND PRIZE - £15

3RD PRIZE - £5

10 CONSOLATION PRIZES OF £1

CONDITIONS OF ENTRY

1. Every chemist who purchases a minimum £2 carriage paid parcel (with bonus 14 to the dozen) of MARSHALL'S LYSOL from Lysol Ltd., whether direct, through our representatives, or through our Northern Ireland and S. Wales agents, is eligible for the competition.
2. Every chemist who has purchased a minimum £2 parcel of MARSHALL'S LYSOL DIRECT FROM LYSOL LTD., THROUGH OUR REPRESENTATIVES OR THROUGH OUR NORTHERN IRELAND AND S. WALES AGENTS, SINCE 1st MARCH, 1937, is eligible for the contest.
3. Entry for the Competition should be made as early as possible before 30th June, 1937.
4. Window displays will be judged from photographs which should be submitted by 30th June, 1937. Any photographs received after that date cannot be considered.
5. Any size photograph may be entered—the larger, the better, of course. We suggest 6 in. by 4 in. size.
6. Each entrant should write or stamp his name and address on the reverse side of photograph and may add any description of the display—such as colour scheme, materials used for backgrounds, etc.—to assist the judges in their decision.
7. The Judges will be The Editor of "The Pharmaceutical Journal"; D. V. Kelly, Esq., Art Director, Messrs. Lord & Thomas, Ltd.; R. Siller, Esq., Managing Director, Lysol Ltd., and their decision must be accepted as final.
8. Entry for the competition will imply acceptance of these conditions. Proof of posting cannot be accepted as proof of delivery.
9. The bonus offer is also available to chemists who do not wish to enter the competition, but the competition is restricted to chemists who have purchased MARSHALL'S LYSOL in accordance with either of the first two conditions above.

★**EVERY ENTRANT—BONUS 14 to the DOZEN**

LYSOL LTD., RAYNES PARK, S.W.20.

SECURE YOUR "+ 2 Bonus" & ENTER THE CONTEST— WRITE FOR FULL DETAILS NOW

Raw materials, particularly cresylic acid, are arising rapidly and heavily in price. Prices of B.P. and unbranded Lysols will certainly advance correspondingly. When this occurs, MARSHALL'S Lysol will be little, if any, more expensive than inferior, unbranded Lysols—for there will be no increase in prices, wholesale or retail, of MARSHALL'S Lysol. This bonus offer, therefore, comes at an opportune time, particularly as summer brings increased sales of Lysol. Why, then, risk losing customers by selling inferior, unreliable Lysol? MARSHALL'S is still the leader in its field! Anticipate your requirements and make increased profits by ordering NOW, while the bonus is available, and enter the display contest. (See facing page for prizes and conditions.)

It pays you to recommend and feature MARSHALL'S, because:—

1. MARSHALL'S guarantees consistent sales and very good profits.
2. MARSHALL'S Lysol is backed by extensive professional propaganda and is recognised as the standard antiseptic in hospitals all over the world.
3. It is the only Lysol made to the original formula and specification, adhering to a much higher standard than that demanded by the B.P. 1932.
4. MARSHALL'S Lysol will never "let you down" with your customers for it is guaranteed strictly standardised to a fixed purity and germicidal effectiveness. This uniformity and quality is your safeguard with your customers.

THE NEW!
ARITHMETIC!
1 DOZEN = 14
on min. £2 orders



PRICES, BONUS &
CONTEST DO NOT
APPLY IN I.F.S.

LYSOL LTD., LONDON, S.W.20

Minimum Order of Marshall's Lysol to secure bonus, £2—Carriage Paid.



REGD TRADE MARK

TWO
SYMBOLS
STANDING
FOR
CHEMISTS'
PROTECTION

MARSHALL'S LYSOL is on the Chemists' Friend List—of course.

P.A.T.A. RETAIL	PROFIT ON TURNOVER with bonus 14 to the dozen		
	£2 Terms	£5 Terms	£10 Terms
6d.	43%	44%	46.4%
1/-	48.2%	50%	51.8%
1/9	49%	50%	51%
3/-	48.8%	50%	51.2%
5/-	48.6%	50%	51.4%
12/6	41.7%	43.4%	45.2%

WHAT THE DISPLAY CONTEST & BONUS OFFER MEAN TO YOU

1. In the first place, it means that whether or not you are successful in winning one of the 13 cash awards, you are assured of a bonus which gives the following additional profits on a minimum £2 order for Marshall's Lysol:—

On every dozen of 6d. size 1/- additional profit.

On every dozen of 1/- size 2/- additional profit.

On every dozen of 1/9 size 3/- additional profit.

On every dozen of 3/- size 6/- additional profit.

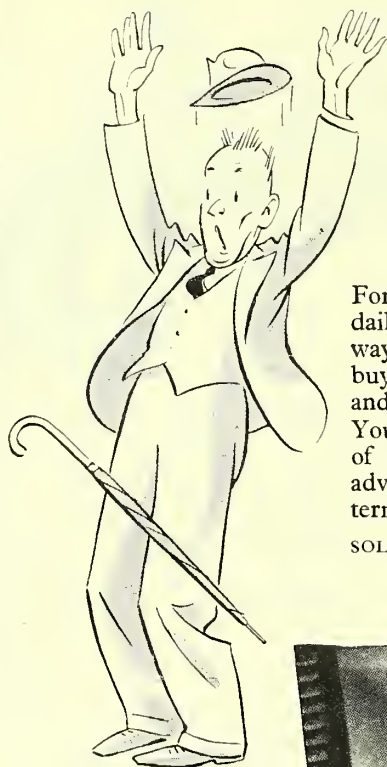
On every dozen of 5/- size 10/- additional profit.

On every dozen of 12/6 size 25/- additional profit.

2. You have an equal opportunity of winning the cash first prize of £25, and whether you use it for some improvement to your premises or towards your holiday expenses, it should prove very acceptable and well worth the small effort involved.

3. A MARSHALL'S LYSOL display, plus your efforts to push this superior product, will increase your sales—and remember, MARSHALL'S shows you a better profit per sale than unbranded Lysols.

MARSHALL'S LYSOL BONUS OFFER CLOSING 30TH JUNE, 1937



HANDS UP

All those who want to make 10d. to 1/- on a single sale of dentifrice!

Forhans unique double appeal is daily winning customers to two-way protection. Thousands are buying Forhans to clean teeth and protect gums.

Your regular profit on a large tube of Forhans is 10d. By taking advantage of the special display terms you can increase it to as

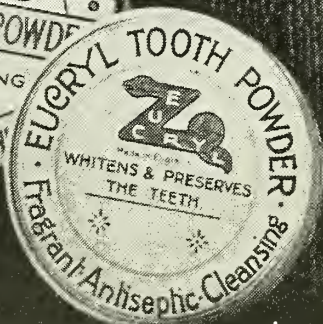
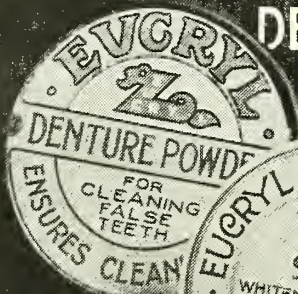
much as 1/- on each sale. 40 per cent. clear profit to put in your own pocket!

Few lines are so well worth pushing as Forhans. Give it a prominent display — and see how quickly those shillings turn into pounds!

SOLE SELLING AGENTS: STEMCO LTD., 128, ALBERT STREET, CAMDEN TOWN, N.W.1

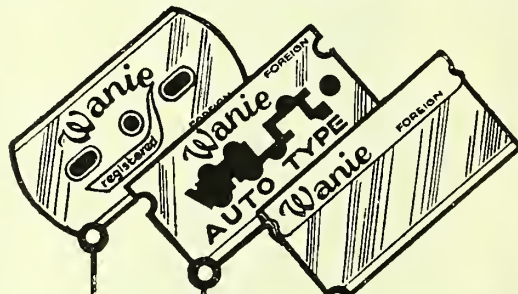


EUCRYL DENTIFRICES



PROFIT ON SELLING PRICE	BOUGHT ON DISPLAY TERMS —YIELD—	PROFIT ON BUYING PRICE
43%		75%
EUCRYL LTD. Manufacturing Chemists. SOUTHAMPTON		

WANIE The Profit Raiser Blades



A range of Razor Blades that consistently raise your profits.

8¢ PER GROSS

9¢ PER 100

Free samples await your request.
Wholesalers are invited to write for Trade Terms.

3/9 PER GROSS TIM

LONDON & PROVINCIAL FACTORS Ltd.
146 Theobalds Road, London, W.C.1
and at 16 Withy Grove, Manchester.



6 MILLION WOMEN

read Max Factor advertising

The collage includes several Max Factor advertisements:

- Jeany Harlow's DAZZLING BEAUTY**: Features three portraits of Jeany Harlow. Text includes "MAX FACTOR HOLLYWOOD & LONDON" and "FREE GIFT - BEAUTY".
- Merle Oberon's Exotic BEAUTY**: Features three portraits of Merle Oberon. Text includes "MAX FACTOR HOLLYWOOD & LONDON" and "FREE GIFT - BEAUTY".
- Eleanor Powell BORN TO DANCE**: Features a portrait of Eleanor Powell. Text includes "MAX FACTOR HOLLYWOOD & LONDON" and "FREE GIFT - BEAUTY".
- Max Factor - Hollywood & London**: Features a portrait of a woman. Text includes "MAX FACTOR HOLLYWOOD & LONDON" and "FREE GIFT - BEAUTY".

Each advertisement includes a coupon for a free gift of beauty products. The coupon text reads: "POST FOR POWDER ROUGE AND LIPSTICK IN YOUR COLOUR HARMONY".

... and thousands of women are BUYING Max Factor's Colour Harmony Make-up from retailers WHO ARE MAKING THIS NATIONAL ADVERTISING CAMPAIGN DOUBLY EFFECTIVE BY CONTINUOUS WINDOW AND COUNTER DISPLAY.

A MAX FACTOR display means increased business in your Cosmetic Department.

*** Max Factor**

HOLLYWOOD & LONDON (SALES) LTD.

16 OLD BOND STREET, LONDON, W.1

TELEPHONE REGENT 6720

CHEMISTS have christened her "TILL-Y"

Especially since the introduction of our new packs and new outers, chemists have christened the young lady of our press advertisements "Till-y," which is in the nature of an apt allusion to the effect on the cash drawer of brighter packaging.

Curly Top in its new garb is irresistible. Mothers see and buy. They want the preparation that gives their children **NATURAL CURLS**. Vosemar too, the safe, harmless preparation for creating natural waves in adult hair, is decked out in new habiliments. Its very presence on your counter is persuasive.

NATIONALLY ADVERTISED

Good discounts. If any difficulty in obtaining supplies from your wholesaler, drop us a line.

The VOSEMAR Co.

11, Parson's Lane, BURY, Lancs.



Curly Top
and
Vosemar

1/3 per tube

1/6 per tube

KING'S FOR SHOPFITTINGS



No. H 3249. Round Section Metal Display Pedestals, fitted with Rubber Studs at Top and Bottom. Stocked as follows:—

Height.	Brown Bronze Finish.	Chromium Plate Finish.
9-in.	1/6 each	2/6 each
12-in.	2/0 "	3/3 "
15-in.	2/3 "	4/0 "
18-in.	2/6 "	4/9 "
21-in.	3/0 "	5/6 "
24-in.	3/6 "	6/- "
30-in.	4/6 "	7/6 "

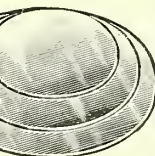
No. OK 256. First Quality Glass Ovals, 1/4" thick, polished edges.

Size.	Size.
9" x 5". 12/- Doz.	16" x 9". 22/6 Doz.
10" x 7". 13/6 "	18" x 12". 28/- "
12" x 9". 14/6 "	20" x 15". 45/- "
14" x 10". 18/- "	24" x 18". 52/- "



No. OK 354. Extension Glass Shelves, 1/4" thick, polished edges.

Size.	Size.
4" x 23". 6/- Doz.	6" x 4". 8/- Doz.
5" x 3". 6/6 "	8" x 4". 12/- "
6" x 3". 7/- "	9" x 4". 13/- "



No. 9017. Heavy Pattern Screw Clip for connecting two Glass Shelves. Chrome plate finish 10/6 Dozen.

We will be pleased to forward our complete Catalogue of fittings and fixtures No. 1013, post free.

J. C. KING, LTD., 42-60 GOSWELL RD., LONDON, E.C.1
Phones: CLERKENWELL 2316 (Private Branch Exchange)

SIMPSONS

Grand Prix
AND
GOLD MEDAL

All sizes
—
HORN
OR
WHITE
HANDLES



Always Sell

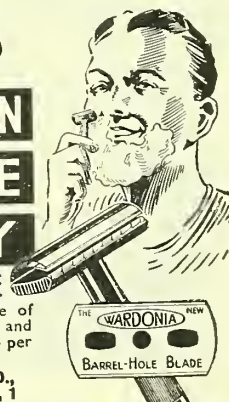
SIMPSONS
53 CLAPHAM HIGH ST.
LONDON, S.W.4
Ask your wholesaler or representative will call

WARDONIA

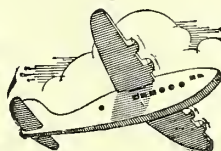
**A CLOSE CLEAN
QUICK SHAVE
EVERY DAY**

Your customers will prefer the fine shaving qualities and long life of Wardonia Barrel-Hole Blades. Order **NOW**—large range of display material free. Blades retail 4 for 1/- and 10 for 2/6 in metal containers. Cost 21/- per box of 120 blades.

Sole Makers: **THOMAS WARD & SONS, LTD.,**
Wardonia Works, Sheffield, 1



THE TRAVEL SICKNESS REMEDY WHICH THE WORLD HAS BEEN WAITING FOR



*Don't miss
the best
of the season*

START TAKING 'AIRSEA' PROFITS NOW!



Travel is at its height in the Summer
So is the demand for 'Airsea'
The public is already enthusiastic about 'Airsea'
So are the ships' doctors of many companies
Not only because 'Airsea' is amazingly effective
But because it is free from harmful after-effects
That is why you can stock and sell with confidence
That is why you'll get repeat orders
'Airsea' is backed by a powerful advertising campaign
Ask for details from the Distributors

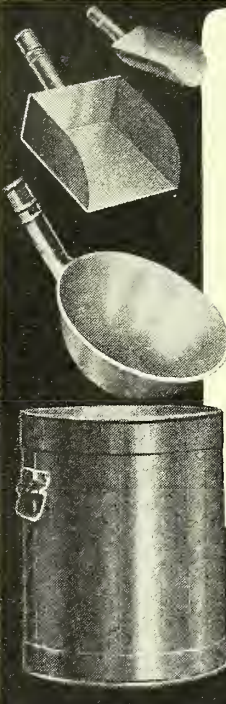
THOS. CHRISTY & CO. LTD., 6-12 Old Swan Lane, E.C.4

PROFIT WITH



TRAVEL SICKNESS ANTIDOTE

Manufactured by Anglo-International Producers Ltd.,
12-13, South Place, E.C.2



"WEBSTER'S"
STAINLESS STEELWARE

Specialists in modern equipment for manufacturers i.e., Funnels, Buckets, Jugs, Mixing Containers, Measures, Percolators, Bogies, etc., etc.

Suppliers of Stainless Steel utensils, at prices which enable the user to employ them in place of other metals, as an economical proposition.

The use of Stainless Steel equipment, designed on modern principles, enables overhead costs to be reduced and makes for more convenient and better working conditions.

ISAAC WEBSTER & SONS, LTD.
ABBAY WORKS, KIRKSTALL, LEEDS, 5
 Telephone: 51580 Headingley. Telegrams: Isaac Webster, Kirkstall.



Porteus 'ATLAS' MIXERS AND SIFTERS

PATENT AUTOMATIC SPRAYING ATTACHMENT WORKS ACCURATELY AND ENSURES EXACT MIXING OF POWDERS AND ESSENTIAL OILS... THESE MACHINES NOW HAVE A NEW INTERIOR CONSTRUCTION

The best machine of its type ever made. Sturdily built, it gives a lifetime of Satisfactory Service... You buy satisfaction when you purchase an 'Atlas' Mixer. Ask us for illustrated details

GEO. PORTEUS & SONS [LEEDS] LTD.
 LEEDS BRIDGE, LEEDS
 TELEGRAMS "ELEVATOR LEEDS" TELEPHONE 20529 & 20520

JACKSON-CROCKATT
 PATENT
PACKING MACHINES
 FOR ALL POWDER MATERIALS
 Various types for Powders and Plastics



"JUNIOR 45" PACKING MACHINE
 with washable stainless steel hopper.
 Quickly dismantled for cleaning.

For Packing—To uniform density, Face Powder, Toilet Powder, Maclean's Powder, Magnesia, Curry Powder, etc.


Self-Contained Motor Drive

J. G. JACKSON & CROCKATT Ltd.
 Engineers, DARNLEY STREET, GLASGOW, S.1

TO COMBINE LIQUID

ESSENCES
 PERFUMES
 FLAVOURS
 COLOURS

WITH POWDERS



THE BEST MACHINE IS THE GARDNER
 Combined Patent "Rapid" SIFTER & MIXER with Sprayer
 WM. GARDNER & SONS (Gloucester) LTD.
 Bristol Road, Gloucester
 Phone: 2238 Grams: "Gardner, Gloucester"

LONDON: 19 Grays Inn Chambers, 20 High Holborn, W.C.1
 Phone: Chancery 7347



You would not employ
an assistant like this

Of course not ! An unkempt assistant
would create a wholly bad impression

What of the appearance
of your letters?

Your prestige will be safe in
this respect if you install the
British-made

Imperial



Imperial Typewriter Company Ltd.
Head Office & Factories: Leicester, England
London Showrooms: 85 Kingway, W.C.2. Phone: HOL. 7334

"Use a typewriter made in the United Kingdom"



For this . . .
ALF HARRISON & SONS LTD
of Leeds get
a Bouquet

"One of the best known Chemists' Wholesalers in the North recently decided to put out a Baby's Feeding bottle which they had decided to brand 'Tree-Top.' The pack is illustrated here. Its main Colour is Pink (for Girls) or Blue (for Boys) with Black and White.

Three sides of the carton are given up to display. The fourth to hints to Mothers.

A strong job, Tree-Top is specially notable for the excellence of its printing, the neatness of the large areas of colour and the clean edges of the lettering. For this Alf Harrison & Sons Ltd. of Leeds rate a Bouquet."

(SHELF . APPEAL . MARCH . 1937)

GIVE US AN OPPORTUNITY TO ADD
SELLING POWER TO **YOUR PRINTING**

ALF HARRISON & SONS LTD

CHEMISTS' AND ADVERTISING PRINTERS

LONDON OFFICE :
BURLEY RD., LEEDS, 4 SENTINEL HOUSE, SOUTHAMPTON ROW, W.C.1

EMPIRE ELECTRIC POWER EMULSIFIERS

PRICE £27 : 10 : 0 WITH
ANODISED ALUMINIUM BOWL

PRICE £30 : 0 : 0 WITH
STAINLESS STEEL BOWL

Motors to suit customers' mains supply. Non choke adjustable pressure up to 3,000 lbs. per square inch. Bowl 1 gallon capacity. Output up to 15 gallons per hour.

BRITISH EMULSIFIERS LTD., TEDDINGTON

Molesey 1202

TAPERED, PYRAMID, DOMED AND FLANGE CORKS COMPOSITION AND BAKELITE STOPPERS

THE MOST COMPETITIVE MANUFACTURERS IN
THIS COUNTRY

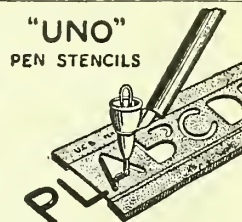
MUNDET CORK PRODUCTS, LTD.
12/18 ABBEY ST., TOWER BRIDGE ROAD, S.E.1

Telegrams :
MUNDETCOMP, BERM, LONDON

Telephone :
HOP 2043-4-5

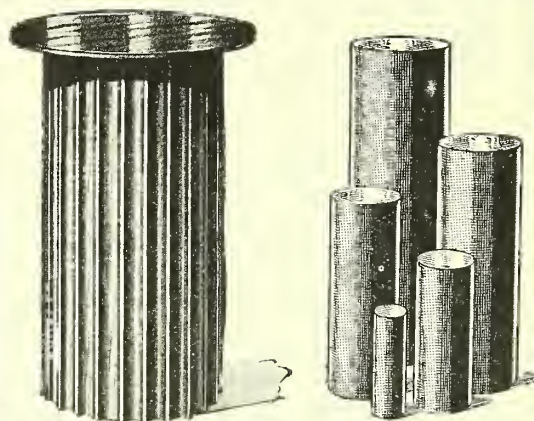
Make your own **SHOWCARDS,**
PRICE TICKETS, &c.
with the
'UNO'
PEN STENCIL
OUTFIT

*Send for full particulars of this
inexpensive but useful outfit*



A. WEST & PARTNERS
91 PETTY FRANCE, WESTMINSTER, S.W.1

SEND FOR OUR NEW SPRING LIST of DISPLAY FITTINGS, No. CD 1742



No. CDF 5771 Very attractive
Display Tables, constructed
of compressed millboard and
covered imitation Walnut Paper.
The pillar has concave flutes and
is extremely modern in appear-
ance.

Each
9 ins. high with 10 in. top 4/6
15 ins. high with 10 in. top 5/-
24 ins. high with 12 in. top 6/9

No. CDF 5758 Useful and
Attractive **Set of Display
Cylinders**, covered heavy
grained Gilt paper. Comprising
1—36 ins. high x 12 ins. wide
1—30 ins. high x 10 ins. wide
1—24 ins. high x 8 ins. wide
1—18 ins. high x 6 ins. wide
1—12 ins. high x 4 ins. wide
22/6 the set

DUDLEY & COMPANY, LTD.
451, HOLLOWAY ROAD, LONDON, N.7
City Showrooms—65 Fore Street, E.C.2

LIVERPOOL SCHOOL OF PHARMACY



Principal—
H. HUMPHREYS-JONES,
F.I.C., F.C.S., Ph.C.

Prep. for Pr. Sc. and Qualifying
Exams.

Part I Revision Class for June
Exam. Few vacancies.

Part I & II Revision Classes for
September Exam. Commence
August 4. Fee 6½ gns.

Next Session commences Octo-
ber 5. intending students
should apply early.

Full particulars from—
BLACKBURN PLACE

AYRTON-GRAHAM LTD.

Designers and actual manufacturers of

FITTINGS

For the MODERN PHARMACY.

Shop Fronts, Show Cases, Exhibition Cases, Counter
Cases, Counters, Wall Cases, Glass Signs, etc., etc.

PHARMACIES MODERNISED.

ALL GOODS OF BEST QUALITY
AND FINISH AT LOWEST RATES

Competent Fitters sent to all parts.

24 BENSON ST., LIVERPOOL

These two Remedies are always backed
by

**BONUS TERMS****NATIONAL ADVERTISING****60 YEARS A HOUSEHOLD WORD****POTTER'S ASTHMA & CATARRH REMEDIES**

Consistently advertised in all the great national newspapers thus ensuring a big demand

P.A.T.A. 1/3, 11/- Doz.
Packed in 1/2 Doz.

POTTER & CLARKE LTD.

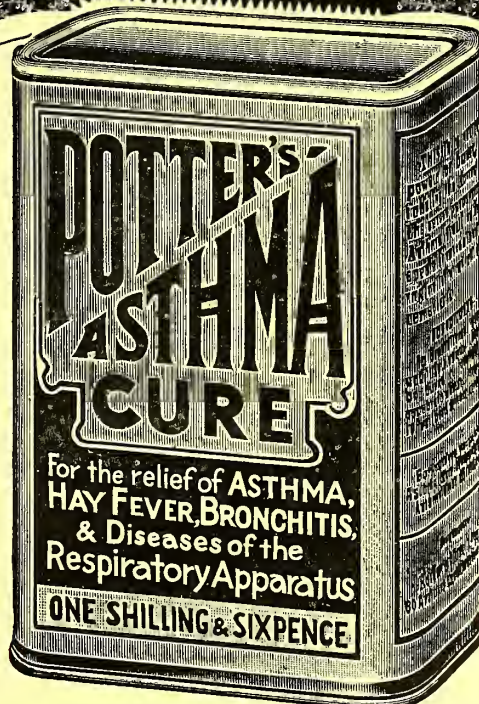
Retail 1/6, Wholesale 14/- doz.
Packed in 1/2 Doz.

60-64 ARTILLERY LANE, LONDON, E.1

'PHONE : BISHOPSGATE 4761 (5 lines)
'GRAMS : HOREHOUND. PHONE, LONDON

77 DANTZIC STREET, MANCHESTER, 4

'PHONE : BLACKFRIARS 8734
'GRAMS : HOREHOUND, MANCHESTER

**BONUS TERMS****POTTER'S ASTHMA REMEDIES**

On orders for 6 dozen Potter's Asthma Remedies and/or Catarrh Pastilles we offer a bonus discount of 5% (Journey account, or if no journey, monthly account) in return for a window display of these goods. The prices of Potter's Advertised Remedies are

POTTER'S ASTHMA CURE 14/- doz.

POTTER'S ASTHMA CIGARETTES 14/- doz.

POTTER'S SMOKING MIXTURE 7/- doz.

POTTER'S CATARRH PASTILLES 11/- doz.



No other contraceptive so faithfully fulfils the exacting demands required by the Medical Profession. Rendells are safe—convenient and harmless. This is the one product which chemists may recommend with complete confidence.

W. J. RENDELL LTD
161/165 ROSEBERY AVENUE
LONDON, E.C.1



BEAUTIFUL

Glassware

We create and manufacture high quality
glassware for cosmetics and perfumery

WOOD BROS. GLASS CO. LTD.

ESTABLISHED 1828

BARNSELY

ENGLAND

Bottles

of distinctive quality and design

Let us solve your glass packaging problems

We make every type
of container

An immense variety
of moulds
is at your
service



Medicals, sprinkler neck
perfumes, toilets,
emulsion, sauce, feeding
bottles — whatever your
requirements

Lax & Shaw Ltd.

WHOLESALE & EXPORT ONLY

Registered Office: **Albert Glass Works, Hunslet, Leeds 10**
Three Factories: **Albert, Clarence and Donisthorpe**



SULPHUR and LIME JUICE LOZENGES
Purify the Blood and Clear the Complexion

SULPHUR and LIME JUICE LOZENGES
Suitable for Young and Old

SULPHUR and LIME JUICE LOZENGES
Purify the Blood and Clear the Complexion

CARTONS WINDOW DISPLAY and SHOW JAR

Thos. Guest & Co. Ltd.
CARRUTHERS STREET
ANCOATS
MANCHESTER

SAMPLE AND PRICE ON REQUEST

Eau de Cologne . . . Lavender Water
ALL TOILET PREPARATIONS
Low, Son & Haydon, Limited
5 GT. QUEEN ST., LONDON, W.C.2 COURT
TELEPHONE: HOLBORN 4007 EST. 1790 PERFUMERS

SPONGES
VISIT OUR WAREHOUSE WHEN IN
LONDON, 6,000 SQ. FT. FLOOR SPACE
(NON-COMBINE)
HYDRA SPONGE LTD.
129 FINSBURY PAVEMENT, LONDON

VELOSHAVE
BRUSHLESS SHAVING CREAM
RENE COS LTD.
9 QUEEN VICTORIA STREET, LONDON, E.C.4

How are your Stocks of
WILLIAMS'
Shaving Preparations?
Sole Distributors:
SCOTT & BOWNE, LTD.
10/11 Stonecutter Street - London, E.C.4

RIGHT ABOUT FACE!
6 for 6d.
W. R. SWANN & CO. LTD.
PENN WORKS, SHEFFIELD 6
KLEEN
REGD NO 788346
RIGHT ABOUT FACE!
FITS ALL 3 PEG HOLDERS

TREBLES SHOP FITTERS
SHOP FRONT BUILDERS
PHARMACY FITTERS for over a Century
549a Lea Bridge Road, Leyton, London, E.10

F. MAUND & E. BERG (SHOWCASES) Ltd.
SHOPFITTERS & SHOPFRONT BUILDERS
175/9 OLD STREET, LONDON, E.C.1
Telephone: Clerkenwell 1782/3
are offering for sale, at competitive prices,
an extensive and exceptionally full range of
Chemist's Fittings, Second-hand and New.

PURE DOG OIL IN BULK
FOR ALL RHEUMATIC LOTIONS, ETC.
Prices on application
ARNO CHEMICAL CO.
SIMISTER LANE, PRESTWICH, MANCHESTER

The new PLUS dog advertising starts this week

"Make your dog a PLUS dog—give him better health, better coat, better spirits". That is the basis of the new Bob Martin advertising that begins this week—advertising that will appeal to every dog-lover in the Kingdom. For years we have been educating the public in the care of their dogs, establishing our name and building an unrivalled reputation; now, with the benefit of that unique background, we are going all out on this real selling scheme.

LET THE PLUS DOG WORK FOR YOU

The PLUS dog scheme makes first-rate display

material. Showcards, window bills, streamer, pelmet—they all put over the PLUS dog story boldly, clearly, at a glance. In particular, we should like to draw your attention to this two-piece display-screen reproduced below. Its simple, telling message, bright colours and particularly happy design demand a place of honour in any window, on any counter. Made in two sizes (30" x 21" and 17" x 12"). Write now and say if 'large' or 'small' screen is required. By starting your PLUS dog drive at once you will tie-up with our own big opening splash in the National Press.



make your dog
a **PLUS** dog

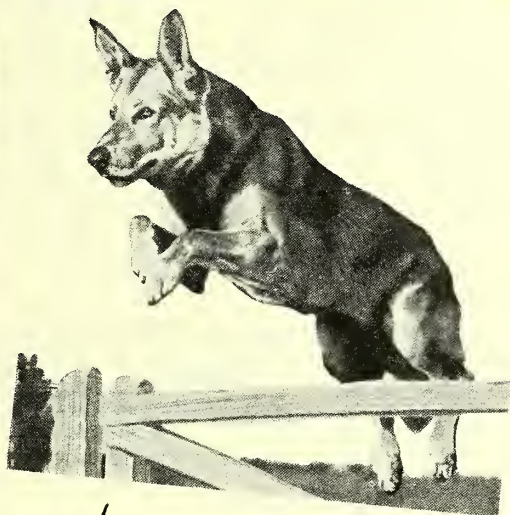
BOB MARTIN'S
CONDITION POWDERS

BETTER HEALTH
BETTER COAT
BETTER SPIRITS

6d for 9 powders
1/- for 21 powders

Prevent and cure LISTLESSNESS · SCRATCHING · LOOSE COAT & ECZEMA

Rex used to annoy his mistress with spells of violent scratching, and nothing she gave him made any difference. Then she tried Bob Martin's. Within a week he was completely cured and, now he's a PLUS dog — as fine a fellow as you'd meet in a long day's march.



*make your dog a
plus dog*

When a dog scratches continually it is a much more serious matter than most people realise. It not only looks unpleasant, it proves that the dog is suffering from blood impurities — which drive him to scratching by the violent irritation they set up beneath his skin. Worse still, in a matter of hours scratching may easily turn to eczema.

But you can quickly cure your dog of scratching and the risk of eczema by removing the cause of the whole trouble — that is, by purifying his blood. If you do this, within a week he will have the glorious all-round fitness of a PLUS dog.

Remember, there are no pores in a dog's skin: he cannot perspire and rid himself of blood impurities that way. He must have blood correctives.

Follow Nature's method

Give him Bob Martin's Condition Powders which contain the natural blood correctives that a dog in his wild state would find for himself in certain herbs and grasses. These powders — famous for 45 years — cure and prevent continual scratching, listlessness, loss of appetite, loose coat and eczema,

swellings between the toes and all other blood disorders. More than that — they will lift your dog to a sparkling new fitness. He'll have better health, better coat, better spirits.

Every dog can be a PLUS dog. Whether you make your dog a PLUS dog or not depends entirely on you.

A PLUS dog in seven days

To banish all blood disorders and bring your dog to the top of his form, give him a course of Bob Martin's Condition Powders (3 powders a day for seven days). Even in that short time he will develop the splendid PLUS dog fitness that every properly conditioned dog enjoys by right.

BLOOD IMPURITIES AND PERSPIRING



One way of expelling blood impurities is by perspiring — but this is denied to your dog because there are no pores in his skin. You will see from the diagram that in porous skin (A) there are ducts through which perspiration passes to the surface, but in non-porous skin (B) these ducts are missing. It is because your dog has a non-porous skin that he needs the blood correctives in Bob Martin's Condition Powders. Get a packet to-day — 6d. and 1/- from all chemists and dog shops.

Bob Martin's

CONDITION POWDERS

for better health, better coat, better spirits

Although the PLUS dog idea is entirely new, we are applying it to all our regular sales points. "PLUS dogs never scratch", "PLUS dogs are never listless", "PLUS dogs never lose their appetite" — these are typical of the various lines of approach we are using for what is to be the biggest campaign ever addressed to dog-owners.

THROUGHOUT THE SUMMER PLUS DOG ADVERTISEMENTS WILL APPEAR IN THE FOLLOWING PAPERS

DAILY MAIL	NEWS OF THE WORLD
DAILY EXPRESS	RADIO TIMES
DAILY HERALD	JOHN BULL
NEWS CHRONICLE	PASSING SHOW
DAILY TELEGRAPH	WOMAN
DAILY SKETCH	GOOD HOUSEKEEPING
DAILY MIRROR	WOMAN & HOME
PEOPLE	ZOO
PROVINCIAL	I.F.S. PAPERS

**Don't miss the special
offer announced
in the Lead No. 9
which you will
receive on Monday**

**Let PLUS dog displays
bring you
big PLUS profits**

BOB MARTIN LTD., SOUTHPORT, LANCs.

Glass Bottles for TOILET & PERFUMERY

Distinctive Bottles
Promote Sales

Pendred & Heim, 40 Trinity Sq., E.C.3

TELEPHONE: ROYAL 3659-4042

ACORN FOOT PASTE

**NATIONALLY ADVERTISED
to 17 MILLION MONTHLY**

*Sells
at*
**4^d
A TIN**

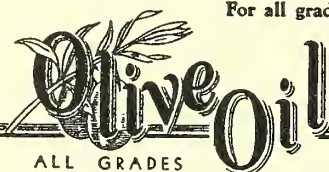
● Acorn Foot Paste is profitable and easy to handle. Packed in hygienic tins. 100% pure. 100% safe. Attractive counter displays.

OBTAINABLE from Butler & Crispe, May, Roberts & Co., Ltd., Brooks & Warburton, Ltd., etc., or your usual wholesaler.

Sole Manufacturers:

**GALLIPS, LTD., 115, EARL'S
COURT ROAD, LONDON, S.W.5**

For all grades of Olive Oil write for samples and prices to



**CRODA LTD.
GOOLE, YORKS**

PHONE: RAWCLIFFE 40 & 41
GRAMS: CRODA, GOOLE

ALL GRADES

DOLS' VOLATALISE FLANNEL

indicated in all cases of

● Measurement charts, interesting literature and details of attractive terms gladly sent on application.

**RHEUMATISM
NEURITIS, SCIATICA
LUMBAGO, Etc.**

DOLS VOLATALISE FLANNEL LTD.

VIADUCT STREET, HUDDERSFIELD

DOMOLENE The Miracle Ointment, Price 1/6, stops Pimples, Boils, etc.
DOMOLENE-WOOL Stops Blood Poisoning, Price 1/6, (Trade) per 1/2-do. 6/9
NATIONALLY ADVERTISED

Distributors to the Wholesale and Retail Trade:

MAY, ROBERTS & Co., Ltd.,
BURGOYNE, BURBIDGES & Co., Ltd.,
D. MAWDSLEY & Co. (for Lancashire), Shudehill, Manchester
DOMO REMEDIES Ltd., Plantation House,
FENCHURCH ST., LONDON, E.C.3 Phone: Mansion House 5754

ENGLISH OIL OF CAMOMILE

(OL. ANTHEMIDIS)

From Plants Grown on My Own Farm

Also **ENGLISH CAMOMILE FLOWERS**

(ANTHEMIS NOBILIS)

LARGEST GROWER IN ENGLAND

R. W. B. STARKE
THE CHESTNUTS FARM, EYE, SUFFOLK

ALL CHEMISTS SHOULD STOCK

ABDINE

THE GOLD MEDAL HEALTH DRINK. Quick Seller. Big Profits. Over 60 years' Reputation. "Abdine" is obtainable from the Wholesale Houses. Attractive Display Material constantly available.

DUNCAN McGLASHAN LTD., ABDINE WORKS, WESTFIELD RD., EDWUBURGH

Senna

FROM OUR
OWN GROWERS

*Alexandrian & Tinnerly
Pods Leaves Siftings*

John Ronaldson & Co. 15 Seething Lane, London.

HALMAGON

BRAND

AN ALL THE YEAR ROUND SELLER

TABLETS

3/6 Size, 31/6 per Doz. 1/- Trial Tube, 9/- per Doz.

Family Economy Box (15 Tubes) 7/11. Retail 10/6.

P.A.T.A. TERMS

Display Bonus 13 to the Dozen
Tonicity Laboratories Ltd., 6-7 Emerald St., London, W.C.1

URICURE TABLETS

REGD

The Greatest of all Rheumatic remedies
A LINE THAT ONLY CHEMISTS CAN SELL

1/3 size, 7/-; 3/- size, 17/6; 5/- size, 25/- per doz.

The Acton Pill & Tablet Co. Ltd., Ash Vale, Surrey

Display Cards and Cartons of 1 doz. 6d. Tubes. Display Cartons of 1 doz. 1/- Tubes. Aluminium Containers 2/6.

Also
ROZALEX
OINTMENT
In Tubes
6d. & 1/-

APPLIED BEFORE WORK.

ROZALEX
KEEPS HANDS CLEAN

PREVENTS CHAPPED HANDS

From wholesaler or direct. Show matter and literature supplied on request to
ROZALEX LTD., CROSS STREET, MANCHESTER

IONIZED IODINE

(MOLSON BRAND)

Obtainable from the usual wholesalers or the makers

MOLSON IONIZED IODINE CO. Ltd.

34 C, GABRIEL'S HILL, MAIDSTONE

ENDOCRINOLOGY

The latest advances in this rapidly developing subject are fully reviewed in **THE PRESCRIBER** for May, which is a double number, price 3s. 6d. post free

ORDER EARLY

THE PRESCRIBER OFFICES, 65 Castle Street, Edinburg 2

THE CHEMIST'S MONOPOLY—

P.P.T. Py-Shan Points Tea
SECURES YOU REGULAR CUSTOMERS
5d. per lb. PROF.T. or 7d. per lb. when cash accompanies order

THOS. CHRISTY & CO. LTD., 4-12 Old Swan Lane, E.C.4

ANCIENT CORONATION
CEREMONY No. 5



CORONATION OF
EDWARD THE CONFESSOR
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Tubes of 25 products, at 21/6 per doz. tubes

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EFFERVESCENT

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London Prices to the Trade (subject)

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The Business Newspaper for all Sections of the Drug, Pharmaceutical, Chemical, Cosmetic, Perfumery and Associated Industries

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News of the Week

Increase in Packing Charges

We understand that, on account of the higher cost of materials, etc., the chemical manufacturers and wholesale druggists have decided to increase, as from June 1, their scales of charges for small packings. The 28-lb. packing is likely to continue free, but the charges for 14, 7 and 1 lb. packing will be advanced. A similar increase will be made for 1-oz. packing. Packings for products of high value will continue unchanged, and the packing charges for "Convention" products will, for the time being, be governed by the scales at present in force. Particulars of the increases will be available to the trade on June 1. Owing to increased cost, the charges for bottles, tins and other packages may also have to be adjusted to meet present conditions.

Draft Therapeutic Substances Order

A draft of an Order proposed by the Joint Committee constituted under Section 4 (1) of the Therapeutic Substances Act, 1925, has been issued (price 1d.) by H.M. Stationery Office. Article 4 of the Therapeutic Substances Regulations, 1931, is to be amended by the deletion of the word "sterilised" in both the places where it occurs, and Schedule 6 is to be similarly amended. The following provisions are to be added after Article 27 of the principal Regulations as Part IX of those Regulations:—

NON-STERILE SURGICAL LIGATURES AND SUTURES

28.—(1) Every container of and wrapper enclosing surgical ligature or suture other than a ligature or suture offered or intended to be offered for sale as sterile shall bear a label on which are printed or written in a conspicuous manner in indelible red ink the words

"non-sterile surgical ligature (suture)—not to be used for operations upon the human body unless efficiently sterilised."

(2) Surgical ligature or suture to which the provisions of the preceding paragraph apply shall not except for the purposes of that paragraph be deemed to be added to the Schedule to the Act.

Paragraph (2) of Article 10 of the principal Regulations is to be amended by the omission of the words "or sterilised surgical ligature or suture" and by the addition at the end of the paragraph of the words "The said particulars shall be indelibly marked on the sealed container of surgical ligature or suture or printed or written in indelible ink on a label enclosed therein." The proviso to paragraph (1) of Article 27 of the principal Regulations is to be deleted.

Proprietary Articles Trade Association

We are advised by the Proprietary Articles Trade Association, 43 Gordon Square, London, W.C.1, of the following additions to, alterations in and deletions from the Protected List. The retail and wholesale prices quoted are the minimum selling prices fixed by the manufacturers and protected by the P.A.T.A.

Additions:—Modern Health Products, Ltd., Educold brand concentrate, 1s. 3d., 10s. doz.; 4s. 6d., 36s. doz.; Vegetex brand concentrate, 2s. 6d., 20s. doz.; 4s. 6d., 36s. doz.; 8s. 6d., 68s. doz. Natex foods: Numbers 10x; 12a Special; 30; 31; 32. (For prices see P.A.T.A. Year Book, 1937, p. 186.) Shadforth Prescription Service, Ltd., "Shadforters," 1s. 4d., 12s. doz.; 2s. 6d., 22s. 6d. doz.; 4s. 6d., 40s. 6d. doz.; 13s., 117s. doz.

Alterations:—Thos. Christy & Co., Ltd., Zepto pencils, 9d., 6s. doz. Window display bonus of two pencils on one dozen,

and of six pencils on two dozen. Heppells, Urillac bath salts, 3s. 6d., 24s. doz. Lanalol, Ltd., the 10 per cent. allowed to retailers on two dozen Lanalol hair food is conditional on provision of a window display of not less than 14 days. Modern Health Products, Ltd., Natex vegetable soap (box of three tablets), 1s. 4d., 10s. 8d. doz. Saunders (J. Touzeau), c/o Butler & Crispe, Ltd., Ninona cold cream is now packed in jars instead of tins as formerly. Prices: 7½d., 5s. 3d. doz.; 3 doz. at 5s. per doz. *Deletions*:—Little Doctor inhaler and refills; Super Arabesque enema.

British Standards Institution

A standard specification for graduated and straight pipettes has just been issued by the British Standards Institution. There are three types of graduated pipette given:—(1) Graduated pipettes calibrated for delivery from the zero mark to the graduation marks. (2) Graduated pipettes calibrated for delivery down to the jet. (3) Graduated pipettes calibrated for content. The specification for straight pipettes also covers three types:—(1) Straight pipettes calibrated for delivery. (2) 1-mil straight pipettes calibrated for content. (3) A 1-mil straight pipette calibrated for both content and delivery. The sizes of straight pipettes included in the specification are those commonly used in bacteriology. Copies of this British standard (No. 700/1937) may be obtained from the Publications Department, British Standards Institution, 28 Victoria Street, London, S.W.1, price 2s. 2d. each, post free.

The B.S. method for the determination of viscosity of liquids in absolute (c.g.s.) units has just been revised. The first edition of the standard appeared in 1923, and the revision has been carried out in the light of criticisms and suggestions that have since been received. Opportunity has also been taken to introduce appendices containing data likely to be of service to users. The instruments generally used are far from satisfactory in many respects. This British standard gives particulars of simple and accurate methods. The relatively inexpensive apparatus involved is readily procurable, easily calibrated and free from the disadvantages attaching to the more costly viscometer at present employed. The apparatus has been specially designed in the hope that it will eventually replace such viscometers for commercial purposes.

It has become desirable that the results of viscosity determinations be normally expressed in terms of kinematic viscosity. There are many liquids and semi-liquids of industrial importance for which the simple laws of viscous flow do not hold. Emulsions, suspensions, and colloidal solutions, particularly such as are capable of "setting" at temperatures not far below the temperature of test, may have apparent viscosities that depend not only on the thermal and mechanical history of the sample, but also on the characteristics of the particular viscometer in which observations are made. Copies of this British standard (No. 188/1937) may be obtained from the Publications Department, British Standards Institution, 28 Victoria Street, London, S.W.1, price 2s. 2d. each, post free.

Sunday Opening

Sunday opening by chemists was discussed at the recent monthly meeting of the Southport Insurance Committee, Mr. J. Priestley (chairman) presiding. Dr. Lewis said in certain areas chemists were allowed to sell films on Sundays. Within a stone's throw there were other chemists who were not allowed to sell them, and yet they had to keep open, or so they said. The Chairman: If a chemist keeps open for our purposes, well and good, but we are not concerned with films. Dr. Lewis: If a chemist opens on Sunday he may get only five or six prescriptions. He is losing on it. The Chairman: So far as the matter of profit is concerned, I don't think that enters into it. He wishes to retain the customers who come during the week, and if he closes on Sundays they may go somewhere else. The clerk said they were awaiting a reply from the chemists to see what they were going to do in the matter. The Chairman: I don't know that we can compel the chemists to open on Sundays. Alderman Aveling: I don't want it to be said that this committee compels chemists' shops to open on Sunday. That impression is abroad. The chairman said they were asking that the shops should be open from a humanitarian standpoint, not from the standpoint of making a profit. They did not want to compel chemists who did not wish to open. If the matter became acute, the Ministry would have to make some regulations to see there was this service without having all the shops open.

Formby, Lancashire, has adopted a plan in regard to the opening of chemists' shops on Sundays. The owners have come to an arrangement whereby they have avoided all their shops being open as hitherto on Wednesday afternoons and also for a certain period on Sundays. They have drawn up a rota so that only one chemist's shop remains open on Wednesday afternoons and Sundays during stipulated periods.

The "Portsmouth Evening News," commenting on the rota that the local chemists have organised, states: "Chemists give long hours of service (8.30 a.m. to 8 p.m.), but they will now enjoy three complete Sundays off in four. They could have applied to the City Council for an Exemption Order for photographic requisites, etc., but it was felt it was better to have the scheme in operation all the year round. The rota system will not as yet apply all over the city, Southsea being outside, but at Southsea individual arrangements have been made in some cases."

Sessional Events

At a meeting of the Bolton and District Chemists' Association, held at Bolton on May 6, Mr. J. S. Walmsley in the chair, a report was received from the delegation which had protested to local M.P.s on the medicine-stamp duty proposals.

Members of the Bury Branch of the Pharmaceutical Society visited the Manchester Corporation Air Raid and Gas Department recently. Among the party were Mr. D. Williamson (chairman) and Mr. T. Molyneux (secretary). Mr. Withers, who is in charge of the department, conducted the party round the various rooms, describing their contents and explaining their uses. Finally the party fitted respirators and went into a gas chamber containing tear gas. After leaving the chamber and removing the masks the party ventured again, and tears streamed down their faces.

Hull

The pharmacy at 45 Witham, Hull, now owned by Mr. Harold Bays, a former secretary of the Hull Chemists' Association, this year celebrates the centenary of its foundation. The business was established in 1837 by Mr. J. K. Officer, who disposed of it in 1848 to Mr. Kirkus. This chemist was succeeded by his son; in 1885 the son retired and was followed by Mr. G. R. Newton, who became well known in East Hull as a chemist and dentist. Mr. Newton retired in 1934, after being in business in the same shop for almost fifty years. Mr. Bays was with Mr. Newton for ten years before becoming the proprietor of the pharmacy.

The annual meeting of the Hull Chemists' Association and Branch of the Pharmaceutical Society was held recently. In commemoration of the Coronation, the Association decided to make a presentation of a pharmaceutical pocket book to each local chemist's apprentice. The retiring president (Mr. R. H. Watson) handed the gifts to the recipients with suitable expressions of good will. Prizes were awarded for progress during the year to the following students: Messrs. J. E. Hindle and K. A. Barnes, and Misses E. Safford and D. H. Walton. Reports from the various subcommittees were read and adopted, and thanks were accorded to Mr. Watson for his services. The following officers were elected: *President*, Mr. A. Surfleet; *Secretary*, Mr. K. P. Clappison; *Vice-Presidents*, Messrs. H. Bays and E. Brocklehurst; *Treasurer*, Miss Sawyer; *Minute Secretary*, Miss Vokes; *Social Secretary*, Mr. H. Ringrose; *Committee*, Messrs. Naylor, Robinson, Stephens, Spink, Thirsk.

London

The organisers of British Industries House, Marble Arch, London, W.1, have arranged a fortnight's "At Home" for trade buyers. Special attractions include working models, demonstrations of arts and crafts, and free beauty treatments. The exhibitors include BRITISH OXYGEN CO., LTD.; ROBERT BAILEY & SON, LTD.; BENGUE & CO., LTD.; CARNEGIE BROS., LTD.; CHANDRE BEAUTY PREPARATIONS; ROBERT FERBER, LTD.; FERRIS & CO., LTD.; MANESTY MACHINES, LTD.; GEDEON RICHTER, LTD.; THOMAS TYRER & CO., LTD.

Miscellaneous

FIRE.—An outbreak of fire occurred recently at the premises of Bell, Sons & Co., wholesale druggists, Park Lane, Liverpool. A quantity of cosmetics was destroyed.

FIVE-DAY WEEK.—A five-day week has been inaugurated at the offices and laboratories of Wm. R. Warner & Co., Ltd., and Richard Hudnut, Ltd., Power Road, Chiswick, London, W.4.

Scottish Notes

Aberdeen

The quarterly meeting of the Aberdeen Pharmaceutical Association was held in Robert Gordon's College on May 18. The meeting was combined with the annual presentation of the Petrie Trust Bursary and the Association prizes to evening class students of the School of Pharmacy. Mr. W. F. Hay (president), in introducing Mr. I. Graham Andrew, M.A. (headmaster of Gordon's College), said that for the past forty years the Association had given prizes to the students. In the first year they allotted £6 6s., but being Aberdonians expended £6 3s. only. Mr. Andrew then addressed the students, among whom he recognised "many kent faces." He stressed the high standard now demanded for the examinations, and referred to the many important posts available to those who continued their studies, after qualifying. Dr. Tocher also addressed the students, giving valuable hints regarding the Petrie Trust and other examinations.

The prizewinners were: Petrie Trust Bursary, Mr. Norman B. Duncan; Mr. A. Y. Downie was runner up and received a British Pharmaceutical Codex from the Society. 2nd year students, Ernest Fraser, Jas. A. Findlay, G. M. Mitchell; 3rd year students, S. B. Wilson, R. Shearer, J. Callam; 4th year students, Wm. A. McGregor, J. D. M. Flett, J. W. Watt.

After the prize-giving, tea was served, followed by the routine work of the Association. It had been provisionally arranged that the Association and the local Branch should recognise Dr. Tocher's services and the award to him of the degree of LL.D. by the University of Aberdeen. It was agreed to unite with personal friends in the city and county of Aberdeen in the presentation to Dr. Tocher of his portrait. It was reported that a few members of the Association had received from the Seamen's National Union a peremptory request to price their prescriptions on N.H.I. terms. This the meeting declined to do. Members will, as formerly, price according to the local dispensing price list.

Edinburgh

The public health committee of the Town Council has agreed to recommend the erection of three health centres in suburban housing areas at a total cost of about £50,000. The Medical Officer of Health reported that difficulties had arisen because of the distance of sections of the population from existing medical facilities. It was recommended that provision should be made for maternity and child welfare clinics; ante-natal and post-natal patients; intermediate treatment for orthopaedic cases and for follow-up treatment of cases from the hospitals; certain aspects of venereal diseases; school clinics; outdoor treatment for the sick poor; dispensary for the supply of medicines, etc., to patients for whom the corporation are responsible.

The Edinburgh Chemists', Assistants' and Apprentices' Association's first meeting of the summer session took the form of a visit to the seed-testing station of the Department of Agriculture at Corstorphine on May 19. Mr. T. Anderson (director), assisted by Drs. Forster, Gregor and Noble, conducted the party over the various departments. Mr. Anderson gave a general outline of the work of the department in examining, testing and reporting on seeds in general use in agriculture as determined by samples received. In the department of plant diseases hundreds of specimens of the most common plant diseases were on view and their examination and methods of identification were fully explained. On the motion of Mr. Collins (president), a cordial vote of thanks was awarded to Mr. Anderson and his staff.

Glasgow and West of Scotland

The annual meeting of the Paisley and District Chemists' Association was held on May 17, Mr. C. J. Stuart in the chair. Office-bearers were elected as follows:—*President*, Mr. T. McKim; *Vice-president*, Mr. A. Whiteford; *Secretary and Treasurer*, Miss A. Croll, 5 St. James Street, Paisley; *Committee*, Miss J. Weir, Messrs. D. Hamilton, A. Brown and J. McPherson.

Revised conditions have been announced for the annual Kinninmont competition. The competition is now open to all students in the area covered by the Glasgow and South-West of Scotland Branch of the Pharmaceutical Society who

are attending or have attended an approved course of instruction for the Preliminary scientific examination. The prize—a scholarship to the value of £10 10s., tenable at the Royal Technical College, Glasgow—will be awarded on the result of a written examination in chemistry, botany and physics, of a total of three hours' duration. The examination will be held in Glasgow, Paisley and Coatbridge in May or June of each year. Should the successful candidate be too young to pursue the course of study for the Chemist and Druggist Qualifying examination, the award will be deferred until he reaches a suitable age. The result will be made known to the successful candidate and will also be published in the trade Press. Intending candidates should send their names to the secretary before May 31 (May 15 in future years), stating at which centre they wish to sit the examination.

Miscellaneous

DEARTH OF PROFESSIONAL MEN.—According to newspaper reports, doctors, analytical and metallurgical chemists are almost unobtainable in Scotland. The reference is made to university graduates, no mention being made of the famine in embryonic chemists and druggists.

PRICE ANOMALY RECTIFIED.—The anomaly of two wholesale prices for acetic ether (according to the source of supply) is now to be ended. This has been brought about indirectly through a Scottish chemist who, on checking his N.H.I. accounts, discovered that he was receiving much less for acetic ether than he was paying for it. The matter was brought to the notice of the Checking Bureau through his Insurance Committee, when it was discovered that the Checking Bureau's figures were based on the list of an English wholesale house in which the price was given at 9d. per oz., whereas practically all Scottish and several English houses charged 2s. 4d. per oz. The matter was referred to the Scottish wholesale houses, who discovered that on giving a certain declaration to the authorities the acetic ether duty would be remitted. It is understood that all wholesalers will in future apply for the allowance and that the price will fall to 9d. per oz. The Pricing Bureau has, on the advice of the Insurance Committee, made up the loss in price to chemists.

Irish Notes

Codeine and Dionin in the Irish Free State

An Order has been issued in the Irish Free State (S.R. & O., 1937, No. 66) bringing methylmorphine (codeine), ethylmorphine (dionin) and their respective salts within the scope of Part IV of the Dangerous Drugs Act, 1934. The Act came into force on April 1 last. The application of Part IV to the drugs to which Part V of the Act applies is subject to the following modifications:—

- (a) Section 17 of the Act shall not apply;
- (b) the power conferred on the Minister for Justice by sub-section (1) of Section 20 of the Act to make regulations for controlling or restricting the manufacture, sale, possession and distribution of drugs to which Part IV of the Act applies shall be exercisable—
 - (i) in relation to sale or distribution of any drug to which the said Part V applies only as respects sale or distribution by a wholesale druggist and, in the case of a wholesale druggist who is also a person entitled, under the Pharmacy Act (Ireland) 1875, as amended by the Pharmacy Act (Ireland) 1875 Amendment Act, 1890, to keep open shop for the sale of poisons, only as respects sale or distribution otherwise than in the course of any retail business carried on by him,
 - (ii) in relation to possession of any drug to which the said Part V applies only as respects possession thereof in a quantity exceeding one pound avoirdupois;
- (c) sub-section (2) of Section 20 of the Act shall not apply.

For the purposes of this order the expression "retail business" means the business of retailing or dispensing or compounding drugs carried on at a shop; the expression "wholesale druggist" means a person who carries on the business of selling drugs to persons who buy to sell again.

Irish Drug Association

At a recent meeting of the Irish Drug Association Committee, Mr. P. A. Brady (president) in the chair, a resolution was adopted to the effect that the tender of the Irish National Assurance Co., Ltd., College Green, Dublin, to issue policies insuring members of the Association for an indemnity at rates stated be accepted and recommended to the members. Members of the Association were asked to conform more strictly to closing hours in centres where agreements had been reached. Attention was drawn to the fact that various preparations manufactured in England are sold in the Free State in containers marked with the English price. Owing to tariffs, etc., the price in the Free State is considerably higher. The Committee pointed out that constant reference to the Association's Price List would prevent mistakes occurring.

Dublin

Pharmaceutical industries were again well represented at the Royal Dublin Society's Spring Show and Industries Fair. In

preparations and medicinal lines. The Island Bawn Laboratories, Nenagh, were showing their dental and shaving creams, cosmetic and toilet preparations. Burke's Chemical Manufactory, Patrick's Quay, Cork, had a comprehensive display of veterinary lines, while Spratts Patent (Ireland), Ltd., carried a complete range of their animal and fowl foods and requisites. The Irish Glass Bottle Co. included in their exhibit a representative range of pharmacy bottles and containers. Jas. Crean & Son made a fine display of toilet and cosmetic items. In the Serpentine hall, Messrs. Irish Beauty Preparations had on show a series of exclusive Irish-made cosmetic lines and perfumery. Here also Jeyes' Sanitary Compounds Co. (Saorstát Éireann), Ltd., showed their various disinfectant and toilet products to advantage. Among the separate stands in the show grounds was one of interest to farmers by Cooper, McDougall & Robertson, Ltd., Berkhamsted, England, at which sheep dips, horticultural and veterinary products were displayed. Kolynos (Sales), Ltd., London, had an artistic stand in the Kolynos colours of green and yellow. In the main hall, outstanding stands were those of Imperial Chemical Industries, Ltd., Day, Son & Hewitt (Ireland), Ltd. (veterinary remedies); Hayes, Conyngham & Robinson, Ltd. (veterinary and horticultural products); Henry Bell, Ltd., Waterford (veterinary remedies); and Dixon & Co. (toilet soaps and cosmetics).

Miscellaneous

DISPENSARY APPOINTMENTS.—Mr. P. J. Kennelly, M.P.S.I., Castle Street, Tralee, has been appointed by the Kerry Board of Health compounder of medicines at Tralee Dispensary.—Mr. John R. Shanahan, L.P.S.I., Castleisland, has been appointed compounder at the New Hospital, Edenburn, co. Kerry.

LOCAL CLOSING HOURS.—The dispensing chemists of the Agnes Street, Cliftonville Road, Crumlin Road, Ligoniel, Manor Street, Old Lodge Road, Oldpark Road, Peter's Hill, Shankill Road, and Woodvale Road districts of Belfast have agreed to close their pharmacies at 8 o'clock every evening (Saturdays excepted) from May 17 till the end of September.

IRISH CHEMISTS' GOLFING SOCIETY.—The next meeting will be at Bundoran, June 7 to 9. Newcomers will be welcomed. Members with cars or who require seats in cars should be at O'Connell Bridge at 10 a.m. on Sunday, June 6. Special terms have been arranged at the Great Northern Hotel. The prize list is extensive. Intending visitors are asked to notify the Secretary, Mr. A. F. Roche, 34 Main Street, Donnybrook.



Stand of Island Bawn Laboratories at Royal Dublin Society's Spring Show

the Saorstát Hall of Industries Irish Pharmaceuticals, Ltd., had a most imposing stand displaying their cosmetic and beauty

Topical Reflections

By Xrayser

The Council Election

is over for another year ; " the tumult and the shouting dies " ; we can now get down to business once again (p. 597). The result of the election is pretty much as I anticipated it would be. I am glad that the women in pharmacy are represented by one of their own sex ; the election of Mr. Peck at the head of the poll, followed by Mr. Marns, is an indication that those members who voted for them realised the service to pharmacy that both these had given ; and a similar remark applies to Mr. Skinner and Mr. Antcliffe, although the votes recorded for these were fewer. I agree with you that if it were possible to analyse the voting papers and so get an idea of the number of votes recorded in each county, valuable information on territorial representation would be gained ; such a procedure may yet be possible, if not at the time of the poll. The number of voting papers returned is disappointing ; less than half the members took the trouble to vote. It is not easy to explain this apparent apathy. It may not be due to indifference ; I am inclined to think that a number of papers were not returned because of the almost incurable procrastination of many pharmacists who delay doing anything of this nature until the opportunity has passed. The retail chemist is " snowed under " to-day with all kinds of communications ; many are never opened at all, and it may well be that the envelope containing the voting paper shared a similar fate in many instances. Who will be co-opted to take the place of Mr. Simmons?

"Rising Overheads"

is a cry that is beginning to be heard, and will probably be heard with greater frequency in the future. The trouble is that so many of the increased costs cannot be passed on to one's customers. Corks have advanced in price, slide boxes are dearer, pill boxes of all kinds cost a few pence per gross more than they did. Only an increase in the dispensing fee or a slight extra charge upon such articles as packed drugs can compensate for the growing overheads ; but to do this is very difficult, particularly if one's competitors, as is so often the case, refuse to back one up. The result will inevitably be that unless the extra cost is passed on the net profit will suffer. I agree with all that your contributor writes on this subject on p. 609, but there is sometimes a danger that such methods of economising can be carried too far and that the gain in material is more than neutralised by the loss of time. I should be very sorry to learn that any method of economy such as suggested would result in a less neat package being sent out from the pharmacy. During the war we were forced to adopt methods of packing which, although quite proper for that period, should not be used now under any condition. One of the marks distinguishing the chemist from every other trader should be the neatness and finish of the goods he hands over the counter. It is only by presenting them in the best style of packing that he gives the public a method of distinguishing his pharmacy from the " cash and carry " store or the bazaar.

Legal Reports

Pharmacy and Poisons Act, 1933.—At Hamilton Sheriff Court, on May 19, Mr. Robert Birkett, chemist and druggist, Main Street, Wishaw, was summoned for having sold a poison not duly labelled. It was stated that Mr. Birkett had sold a disinfectant which was listed as a poison to a woman who afterwards, in a moment of depression, drank the contents of the bottle. It was explained for the defendant that a girl had been sent for the disinfectant, and he had to send to another shop for it. It came in a bottle wrapped and sealed, and his wife, in his absence, handed it to the girl. A fine of £2 was imposed.

At Old Street Police Court, London, on May 24, J. A. Ware, Pimlico Walk, Shoreditch, was summoned for unlawfully taking or using the title of druggist. Mr. A. C. Castle, who prosecuted, said the defendant carried on a herbalist's business. On February 6 one of the inspectors of the Pharmaceutical Society made a purchase and was given on request an invoice on which appeared the word "druggist" and the defendant's name. She also obtained a library book-marker on which the defendant was called a druggist. The defendant said he was "awfully sorry"; he had made a "bloomer." The magistrate said he would dismiss the summons under the Probation of Offenders Act on payment of £3 3s. costs.

At Brixton Petty Sessions, on May 25, Walker (Malpas), Ltd., were fined 10s. for unlawfully using the word "pharmacy." Mr. D. Ffoulkes Jones, prosecuting on behalf of the Pharmaceutical Society, explained that the company at one time carried on business as authorised sellers of poisons, under a superintendent who was duly registered. In July 1936 they informed the Pharmaceutical Society that the business would in future be conducted as a drug store. The defence was that the company had no intention of using labels containing the word "pharmacy." Mr. Nesbitt Stansfield, a director and secretary of the company, said the label on the bottle produced must have been overlooked in the shop.

Company News

P.C. means Private Company and R.O. Registered Office

SUNSHINE SYNDICATE, LTD. (P.C.).—Capital £100. Objects: To carry on the business of chemists and chemical manufacturers, etc. The first directors are not named. Secretary: H. M. Dunstan, 63-5 Piccadilly, W.1.

W. H. TREACHER, LTD. (P.C.).—Capital £100. Objects: To carry on the business of chemists, druggists, manufacturers of and dealers in medicinal and other preparations, etc. R.O.: Revenue Buildings, Chapel Road, Worthing, Sussex.

TRUPHA, LTD. (P.C.).—Capital £100. Objects: To carry on the business of manufacturers of and dealers in chemicals, minerals, essential oils, gums, etc. Carl Schmeidler, 5 Emmott Street, E.1, director. R.O.: 5 Emmott Street, E.1.

JANE PAGET, LTD. (P.C.).—Capital £500. Objects: To carry on the business of manufacturers of and dealers in pharmaceutical preparations, patent medicines, etc. The first directors are to be appointed. R.O.: 1 Fennell Street, Manchester 4.

J. C. GILBERT, LTD. (P.C.).—Capital £100. Objects: To manufacture and deal in radium and other mineral substances of all kinds, etc. The first directors are to be appointed. Solicitors: Steadman, Van Praagh and Gaylor, 4 Old Burlington Street, W.1.

THOMAS SPECIALITIES, LTD. (P.C.).—Capital £100. Objects: To carry on the business of manufacturers of and dealers in all oils, chemicals, other materials, etc. Wm. G. Thomas, 60 Park Lane, W., oil importer, director. R.O.: 9 St. Helen's Place, Bishopsgate, E.C.3.

METALLURGICAL CHEMISTS, LTD. (P.C.).—Capital £500. Objects: To carry on the business of manufacturers of and dealers in chemicals, drugs, oils and medicines, chemical engineers, etc. The first directors are to be appointed. R.O.: 75B Queen Victoria Street, E.C.4.

THOMPSON & FISHER, LTD. (P.C.).—Capital £100. Objects: To carry on the business of chemists, druggists, etc. R.O.: 349 High Road, Lee, S.E.

ROUSSELOT GELATINE, LTD. (P.C.).—Capital £100. Objects: To carry on the business of manufacturers of and dealers in gelatine, glues, gum, adhesives, abrasive materials, etc. The first directors are to be appointed. Secretary: John A. Steemson, 11 New Court, Carey Street, W.C.2.

MARTINS PHARMACIES (EALING) LTD. (P.C.).—Capital £500. Objects: To carry on the business of manufacturers of and dealers in chemicals, drugs, medicines, etc. Alfred J. Ginger, The Grange, Norwood Green, Middlesex, director. R.O.: The Grange, Norwood Green, Middlesex.

KAY'S PHARMACIES, LTD. (P.C.).—Capital £100. Objects: To acquire the business of a pharmacist carried on by Joseph Williams as "J. Williams & Co.," and "Popular Beauty Parlour," respectively at 44 and 46 Beckett Street, Leeds. Leonard M. Kay, 42 Northfield Terrace, Lovell Road, Leeds 7, director.

MIDLAND COSMETIC LABORATORIES, LTD. (P.C.).—Capital £1,000. Objects: To carry on the business of cosmetic manufacturers, importers and distributors of essential oils, perfumes, crude and volatile fats and oils, etc. Leslie L. S. Millett, 128 Regent Road, Leicester, director. R.O.: "Gleem House," 14-16 Northampton Street, Leicester.

ELLIS, SON & PARAMORE, LTD. (P.C.).—Capital £6,000. Objects: To acquire the business of a surgical appliance manufacturer carried on by J. W. Paramore, Sheffield, as "Ellis, Son & Paramore." Joseph Wm. Paramore, 9 Oriel Road, Fulwood, Sheffield 10, surgical appliance manufacturer, shall be permanent governing director.

PARFUM LUCIEN LELONG, LTD. (P.C.).—Capital £1,000. Objects: To acquire the stock in trade, trade marks and designs, goodwill and connexion in England of Parfums Lucien Lelong Societe Anonyme of Paris, and to carry on the business of importers and manufacturers of and dealers in perfumes, powders, lotions, creams, etc. The first directors are to be appointed. Solicitors: Crane & Hawkins, Bush House, Aldwych, W.C.2.

BOOTS PURE DRUG CO., LTD.—The full report for the year to March 31 last shows trading profits, etc., after providing for tax and staff pension fund, amount to £966,116, against £932,071 in the previous year.

The provision for repairs and renewals and depreciation is increased from £156,107 to £168,275, leaving the net balance at £799,898, against £770,890.

The preference and preferred dividends take £96,750, and the unchanged payment of 29 per cent. on the ordinary shares, which includes a 5 per cent. tax free bonus, absorbs £464,000. General reserve again receives £100,000, raising it to £2,000,000, and contingencies reserve is increased to £250,000 by an allocation of £50,000, against £54,193. The transfer to freehold property reserve is up from £17,948 to £20,251, and in addition there is this time an allowance of £50,000 to overseas development fund, leaving the carry-forward up from £298,090 to £316,987.

Voluntary Liquidation

Savono, Ltd., Bolton, soap and perfumery manufacturers. At the statutory meeting of creditors held recently at the Market Chambers, Radcliffe, Lancs, it was reported that the shareholders had passed the usual resolution for voluntary liquidation and had nominated Mr. P. O. Carter as liquidator of the company. The statement of affairs showed ranking liabilities of £2,098 9s., made up as follows: Trade creditors £981 15s.; cash claims £1,037 2s. 6d.; and bankers £79 11s. 6d. After allowing £49 9s. 1d. for preferential claims the net assets were £210 12s. 4d., or a deficiency, so far as the creditors were concerned, of £1,887 16s. 8d. The issued capital of the company was £1,000, there having been allotted 1,000 shares of the face value of £1 each, all of which were fully paid. As regarded the shareholders there was a deficiency of £2,887 16s. 8d. Resolutions were passed confirming the voluntary liquidation of the company with Mr. Carter as liquidator.

Competitive Descriptions of Goods

AN important action commenced in the Chancery Division of the High Court, London, on May 25, before Mr. Justice Farwell. The action was brought by Macleans, Ltd., Great West Road, Brentford, against J. W. Lightbown & Sons, Ltd., Manchester Road, Accrington. Macleans, Ltd., asked for an injunction restraining J. W. Lightbown & Sons, Ltd., their officers, servants and agents from infringing the trade mark of the plaintiffs, No. 458,654 in Class 3. They also claimed an injunction restraining the defendants, their officers, servants and agents from passing off medicated sweetmeats not of the plaintiffs' manufacture or merchandise as or for the plaintiffs' goods, and in particular from selling or offering, or advertising for sale, medicated sweetmeats not being the plaintiffs' goods in connexion with the name "Merrimacs" (or any other name colourably resembling the plaintiffs' trade mark "Mac"). The plaintiffs also asked that the defendants should be restrained from using the descriptions, "the famous MacLean Sweets," "MacLean sweets" or "containing the genuine Dr. MacLean's stomach powder" or by any name or description comprising the names "MacLean" or "MacLeans" which was calculated to deceive, and without clearly distinguishing their goods from the goods of the plaintiffs. Mr. Trevor Watson, K.C., Mr. Robert Burrell, K.C., and Mr. Gerald Hignett appeared for the plaintiffs; the defendants were represented by Mr. F. A. Bray, K.C., and Mr. Holroyd Pearce.

Case for the Plaintiffs

Mr. Trevor Watson, opening the plaintiffs' case, said that, in addition to the action, there was a motion by the defendants to rectify the plaintiffs' trade mark by removing it from the Register. The issues raised by the motion and the action would be tried together. The action, said counsel, was one for passing off and not for infringement of trade mark. The mark as a mark was not really relevant except as part of the history of the passing off action. The plaintiff company, he said, was incorporated on August 30, 1935, and from 1919 to 1935 the business was carried on by the plaintiffs' predecessors, a limited company. They had continuously used and advertised the names Maclean and Macleans as a trade mark for their products. Among the goods so manufactured and sold by the plaintiffs were stomach powder and medicated sweets, and these had been marketed in large quantities. They also used the trade mark "Mac" in connexion with their medicated sweets. The plaintiffs, continued Mr. Watson, ascertained that the defendants had advertised, offered for sale and sold medicated sweetmeats not of the plaintiffs' manufacture or merchandise in the name of "Merrimacs" and the description "famous MacLean sweets," "MacLean sweets" and "containing the genuine Dr. MacLean's stomach powder." These "Merrimacs" closely resembled the plaintiffs' trade mark "Mac," and the use by the defendants of this name and the name "MacLean" was calculated to deceive and cause confusion.

The defence, said Mr. Watson, was a denial that the word MacLean or "MacLeans" was a trade mark. These names had been well known to the trade. They were words used in the trade to describe a powder or alkaline preparation invented by Dr. Hugh MacLean for stomach disorders. The plaintiffs had used the word "Macs" in connexion with medicated sweetmeats recommended by them for coughs and colds. The defendants admitted having sold medicated sweetmeats not of the plaintiffs' manufacture and known as "Merrimacs," but these sweets were advertised as a remedy for stomach disorders.

Mr. Watson, after dealing with the development of the plaintiffs' company from 1919 down to the present time, said that a great difficulty in the case centred upon the fact that before the plaintiffs began to put their products on the market a certain well-known Dr. Hugh MacLean had prescribed in various forms a powder for use in cases of indigestion and other troubles of the kind. He had been working upon this alkaline treatment for digestive troubles in St. Thomas's Hospital, and about 1920 he suggested the use of a mixture of the carbonate of magnesium, calcium and

sodium. He was not in fact the originator of this, but continued the ideas and work of a Dr. Sippy. Dr. Hugh MacLean worked upon this, and in 1926 he published a book dealing with it and the three carbonates and carbonate of bismuth. By means of prescriptions the formula became known to chemists, and it was customary to describe it as the "MacLean formula." "It is a pure coincidence," said Mr. Watson, "that this doctor should have the same name as the firm I am representing. This firm was founded by Alex. C. Maclean, and it is now carried on by his two sons. The powder is sold with the name, Alex. C. Maclean, printed on the bottle. Whatever may have been the position in, say, 1931," continued counsel, "the position in 1937 is most certainly this: that to the vast majority of the public 'Maclean Brand Stomach Powder' means the plaintiffs' goods and nothing else." Mr. Watson added that proceedings had been commenced against other firms with regard to the word "Maclean." Some had agreed to change their labels, while proceedings against others were in abeyance until that action had been concluded. Counsel cited decided cases in support of his contentions.

Mr. Watson, in reply to Mr. Justice Farwell, said confusion had been created in the minds of trained people, the chemists, by the defendants' goods. This was apparent from the evidence they had obtained. His Lordship: It seems to me that the issues raise a pure question of fact to be dealt with. Mr. Watson agreed, and added that if people like chemists were deceived by the defendants' goods the public would also be deceived. After further questions from his lordship as to the exact issues raised, evidence for the plaintiffs was called.

Evidence for the Plaintiffs

Mr. Henry George Leslie Lazell, a director and secretary of Macleans, Ltd., said he had been associated with the company since 1930. At the time he joined the company they sold hydrogen peroxide, dental cream and other toilet requisites. Maclean Brand Stomach Powder was introduced to the public in 1931. At that date the company was producing branded goods. The hearing was adjourned.

On the resumption of the hearing on May 26 further evidence was given by Mr. H. G. L. Lazell. The witness, in reply to Mr. Watson, stated that in 1930 his firm received orders from chemists for MacLean's alkaline powder. Mr. Maclean became interested in it, and considered putting it up in packet form. As a result of discussions with Professor Hugh MacLean no objection was raised by the professor. "We were anxious," added the witness, "to do nothing which would harm the professor in the medical profession. We coined the word 'stomach,' and in 1931 the powder was put on the market. On the cartons were the words 'Specially prepared according to the formula of Dr. Hugh MacLean.' Shortly after this we received a letter from Mrs. MacLean. She took exception to the name of Dr. Hugh MacLean appearing. Dr. MacLean was ill at the time and she wrote on his behalf. As a result the words were altered to the following: 'Specially prepared according to the formula of an eminent physician.'" The witness went on to say that the words were altered again, later, to "Prepared in accordance with the formula used in the leading hospitals." Finally the wording was altered to the statement that the formula was selected from a number of formulas.

Mr. Trevor Watson: At the time your company marketed Maclean Brand Stomach Powder in February 1931 were there any other alkaline stomach powders put out?—Not to my knowledge. Were chemists generally acquainted with what I may call the MacLean treatment?—I would say that probably more than half of the chemists knew of Dr. Hugh MacLean's formulas. Have you from time to time supplied hospitals with Maclean Brand Stomach Powder?—I think when our Maclean Brand Powder became known we had applications from hospitals. The witness added that the signature "Alex. C. Maclean" was registered. The plaintiffs raised no objection to other powders put on the market which bore the statement that it was made in accordance with the formula of Dr. Hugh MacLean.

Mr. Lazell was asked when the plaintiffs commenced putting medicated sweets on the market, and replied that it was in either August or September 1935. At first it was decided to

market these sweets under the name of "Macs." Later it was changed to "Mac." The company's solicitors advised this, as they held the view that the word "Macs" might be liable to be regarded as a descriptive term. "Mac" sweets, said the witness, were antiseptic throat sweets and did not contain Maclean Brand Stomach Powder. Mr. Lazell then dealt with advertisements of defendants appearing in certain newspapers advertising "Merrimacs." Samples of these were bought.

Cross-examined by Mr. F. A. Bray, K.C., Mr. Lazell agreed there was a discussion before it was decided to put the stomach powder on the market. Mr. Bray: You know the papers, *THE CHEMIST AND DRUGGIST* and "*The Pharmaceutical Journal*." They are both very well-known publications, aren't they, and generally taken by a large number of chemists?—Ycs. Do Messrs. Maclean's take in either of these?—Ycs, both. Mr. Bray pointed out that in the 1929 volume of *THE CHEMIST AND DRUGGIST* there was a formula for MacLean's powder. It was also dealt with in the volume for the same year of "*The Pharmaceutical Journal*." "Did you know," asked counsel, "that there was a powder being sold and described as MacLean's powder by chemists as early as 1929?"—I do not know about 1929. Did you know it before you commenced your sales that it had been sold by chemists as MacLean's powder as early as 1929?—We accept the fact that MacLean's alkaline powder was sold. That was a descriptive term?—No. Why?—In 1930, when we introduced the line, we were of opinion that MacLean's powder could not be called a descriptive term in the same way as Parrish's food. Whoever knew this powder knew it as MacLean's powder or MacLean's alkaline powder?—They applied that to a series of formulas. Do you agree it is a universally used medicine?—I do not. Widely used—will you go as far as that?—Possibly. In reply to further questions Mr. Lazell said the plaintiffs' powder was distinguished by the use of their own name. They assumed that other people could make use of Professor MacLean's formulas but not the name Maclean. Mr. Bray: Are you claiming that you discovered the formula?—I think we are saying we introduced it to the public.

Mr. Justice Farwell reminded counsel on either side that the issue he was trying was whether a certain medicated sweetmeat was being passed off as that of the plaintiffs. "Let us keep that in mind," he said, "I am not proposing to decide anything to do with powders, and I shall confine myself wholly and entirely to the issues in the claim. At long last when my judgment is delivered it will also be confined to sweetmeats and will deal with nothing else."

Mr. Percy Roy Clemow, B.Sc., F.I.C., chief analyst in the employ of the plaintiffs, stated that he had examined and analysed the Merrimacs sweets made by the defendants and found that each contained 0.044 gram of alkaline powder. A person would have to eat ten of the sweets to obtain as much alkaline powder as was contained in one of the stomach tablets of Macleans, Ltd.

Mr. J. W. Quibell, chemist and druggist, Finchley Road, N.W., said that when a customer asked him for a Maclean product he took it to mean a product of Macleans, Ltd. When he was asked for Maclean Stomach Powder he always supplied the plaintiffs' brand. Mac sweets he always understood as a Maclean brand product.

Cross-examined by Mr. Bray, the witness said he had a recollection of seeing something in the trade journals about MacLean's powder. If in 1929 or 1930 he had been asked for MacLean's powder he would probably have associated it with Dr. Hugh MacLean. At the present time things were different. Maclean Brand Stomach Powder had been extensively advertised and had a tremendous sale. If customers came into his shop and asked for Maclean's powder he would supply them with the Maclean brand. Mr. Bray: If Dr. MacLean's powder was asked for, what would you give them?—I should still give them Maclean brand.

Mr. Justice Farwell: Do you ever remember having a doctor's prescription in which MacLean's powder was prescribed?—Yes, and I have dispensed the Maclean Brand Stomach Powder.

Evidence was also given on behalf of the plaintiffs by Mr. F. Wharton, chemist and druggist, Ardwick, Manchester. He said he first became acquainted with the Maclean Brand Stomach Powder in February 1931. He did not know of any other manufacture of stomach or alkaline powder put on the market at that time. The hearing was again adjourned.

South African News

NATAL CHEMISTS have lost the first round in their fight against licences being granted to general dealers to sell patent and proprietary medicines. The battle began in December of last year, when, as usual, retailers, departmental stores and bazaars applied for renewals of their licences to trade in these articles. The Natal Pharmaceutical Society objected in the first place to fifty-eight of these applications involving some of the biggest retail firms. After hearings lasting over three months the Durban Licensing Officer, Mr. R. B. Lagerwell, has decided to grant forty-three applications unconditionally and to grant four applications subject to restrictions. Of the other applications, two were withdrawn by the traders, eight were not proceeded with, and the objection to one was withdrawn by the Society itself. The Society is disappointed at the outcome and is now considering its future policy. A member of the executive of the Society states: "It is not our intention to try and restrict the sale of patent medicines to chemists, but we do feel that where chemists are established they should not be seriously affected by general dealers who have taken out patent licences. We object to licences being granted in vicinities where chemists are established on the grounds of overtrading, unfair trading and no necessity."

AN INTERESTING REFERENDUM

For years past the chemists of South Africa have complained of loss of business owing to the increasing sales of patent medicines in bazaars, grocers' and other shops, which trade they claim forms a legitimate part of the chemists' means of livelihood. The question cropped up during discussions between the chemists' professional organisations and the Government when the amended Medical, Dental and Pharmacy Act was under consideration, and the chemists have themselves been invited to consider the other side of the question, namely, the extent to which chemists deal in goods not of a pharmaceutical nature. This aspect has been considered at various times by the Association of Pharmaceutical Societies of South Africa, which held its annual conference recently in East London. The Association had organised a Union-wide referendum of chemists to find out whether, in return for legislation prohibiting the sale of all medicines, so far as possible, by general dealers and confining the privilege to professional chemists, the chemist would be willing to give up the sale of general dealers' goods which do not strictly fall within the scope of a chemist's business. The referendum is announced as having resulted in an overwhelming vote in favour of such a sacrifice if the legislation desired could thereby be obtained. Mr. W. E. Hodson, honorary secretary of the southern executive of the Association, comprising the Cape Province and Natal, states that no further steps have yet been taken, but the probable result of the referendum will be an approach to the Government for legislation on the lines suggested. Without the sidelines which he sold the average chemist in a country town would never be able to continue in business. It was realised that it might be difficult to define the line between pharmaceutical and non-pharmaceutical goods. For instance, thirty or so years ago a chemist's shop was about the only place where a hot water bottle could be bought, nowadays it was an everyday necessity.

The chemist in the dorp sometimes acted as a newsagent, ran a circulating library and stocked all sorts of goods in order to make a living, while a good many of the doctors in the country did their own dispensing, and the trade in patent medicines went to stores which cut the prices to use the patent medicine trade as a means of attracting customers for other goods. A general dealer could not sell patent medicines until he obtained a patent medicine licence, but this was only issued to general dealers, and the result was that in some cases a general dealer's licence was taken out with no idea that it should ever be used as such, but as an essential step towards obtaining a patent medicine licence.

SALE OF ASPIRIN IN MONTANA.—A judicial decision in Montana, U.S.A., upholds the right of a retail grocer to sell "an original package" of aspirin. The Court quoted with approval a similar ruling of the Supreme Court of South Dakota to the effect that the mere selling of an article, though that article be medicine, cannot be classed as the practice of a learned profession.

That Annual Meeting

By Cenophas

I OFTEN wonder what percentage of the membership of the Pharmaceutical Society has ever attended an annual general meeting. To many of my friends throughout the country I have put the question, "Are you going to the meeting?" and—barring councillors and officials—the reply has invariably been a scornful negative. Yet these meetings are full of interest—to anyone who attends for the first time—though to the regular attender they are a weariness to the flesh. As one of the old stagers, I have attended many of the gatherings at Bloomsbury Square, and have listened to presidential speeches, from Carteighe to Marns, but the thrills have been few. Carteighe had merely to utter, and the crowd obeyed; Martindale was handsome, genial and slightly quick-tempered; Atkins was the silver-toned orator to whom it was a pleasure to listen; Walter Hills, suave and gentlemanly; but of the others, one has a feeling of a general level of dullness. There were, of course, occasional periods when outspoken persons like Glyn-Jones (of the first period), James Mackenzie and John H. Robinson contributed to the gaiety of nations, but these were spasmodic purple patches.

A question put during discussion brought up the subject which more than anything else accounts for the poor attendance and the lack of interest in the Society's affairs. The question was: Why should the meeting be held at such an inconvenient hour for the ordinary pharmacist? The excuse put forward was as unconvincing as ever. But one might go further and suggest that the meeting might be held at a different centre—Manchester, Liverpool, or Leeds—each year. There is no reason (*pace* the Charter) why the annual meeting should not be held in Edinburgh instead of London once in a while; but one can visualise a certain reluctance to that project by the Powers That Be. The Scots are a "heckling" race. The same critic adroitly pricked the bubble of self-complacency in the retiring six when he asked, "Who said they have done their job well?"

Several other questions from pharmacists in the provinces indicated that the matter of the Society's finances is engaging some attention in various quarters. It is obvious that the fact has at long last dawned upon the Council that something must be done to make pharmacy and pharmacists known to the public. Neglect, indifference, even contempt, for the pharmacist has hitherto been the public attitude, and this was never more clearly evident than in the silence of the Press regarding the lavish Coronation dinner at Guildhall. The appointment of a "public relations officer" (note the American idiom!) caused a certain amount of amusement when it was casually mentioned by the president towards the end of the proceedings. The P.R.O., whoever he may be, will have to be a Great Big Noise, but I trust we may be able to find him in our own ranks.

Trade-Mark Applications

The figures in parentheses refer to the classes in which the marks are grouped. A list of classes and particulars as to registration are given in "The Chemist and Druggist Diary and Year-Book," 1937, p. 338.

(From "The Trade Marks Journal," May 5, 1937)

- "TIMOTHYS"; for photographic chemicals, etc. (1), for veterinary chemicals, etc. (3), for scientific instruments, etc. (8). By T. Whites & Taylors, Ltd., 70 Vauxhall Bridge Road, London, S.W.1. 575,288/289/292. (Associated.)
- "LIMPOL"; for disinfectants, etc. (2). By T. S. Whittle, 19 Lloyd Street, Manchester. 574,310.
- "CADWALDER"; for veterinary chemicals (2). By J. Jones & Son, 14 Rhosmaen Street, Llandilo, Carmarthenshire. 575,961.
- Diamond shape with cross and letters "D X" (exclusive use of "D X" disclaimed); for all goods (2), for all goods (3). By New Era Laboratories, Ltd., 7 Park Lane, London, W.1. 574,498/499 (Associated.)
- "PRUFITE"; for veterinary chemicals, etc. (2). By Seedolin Co., Ltd., 21 Lower Mall, Hammersmith, London, W.6. 576,050.
- Label design with manufacturer's signature and words "CAP SULAS O.K. (Oca)"; for medicated capsule analgesic preparations (3). By I. Gomez Plata, Calle San Tandre Progreso, Barranquilla, Colombia, South America. 570,973.
- "TESTO-VIRON"; for medicinal hormones (3). By Schering Kahlbaum, A.-G., Mullerstrasse 170, Berlin, N.65. 571,888.
- "HYDRAN"; for medicated skin preparations (3). By Matlock Bath Hydro Ltd., Derwent House, North Parade, Matlock, Derbyshire. 572,601.
- "COVITOL"; for medicinal chemicals (3). By Collett & Co. A.K., Sandakerveien 109b, V. Aker pr Oslo, Norway. 574,578.
- "DESUREN"; for all goods (3), for all goods (48). By Dr. Sachs & Co., Bernburgerstrasser 3, Berlin, S.W.11. 574,813/814. (Associated.)
- "SARSEX"; for liquid blood medicines (3). By C. R. Harker, Staggs & Morgan, Ltd., Emmott Street, Mile End, London, E.1. 575,348.
- "RHUMBERO"; for liniment (3). By G. E. Hawker, 145 Richmond Road, Kingston-on-Thames. 575,384.
- "DOMOLAN"; "DOMOLENE"; for laxative medicines (3), for pharmaceutical preparations for skin (3). By Domo Remedies, Ltd., Plantation House, Fenchurch Street, London, E.C.3. 575,400/401. (Associated.)
- "OYSTRAX"; for medicinal chemicals (3). By Oystrax, Ltd., 27 Stonecutter Street, London, E.C.4. 575,964.
- "ORTHOLAX"; for laxative preparations (3). By W. R. Williams-Crowe, Clovelly, South Road, Chorley Wood, Hertfordshire. 575,989.
- "HEPAFORTE"; for medicines (3). By Aktiebolaget Astra Apotekarnes Kemiska Fabriker, 22 Turingevagen, Södertälje, Sweden. 576,024.
- "ELIXIR SIBEC"; for medicated preparations (3). By T. & H. Smith, Ltd., Blandfield Chemical Works, Wheatfield Road, Edinburgh 11. 576,229.



NATIONAL PHARMACEUTICAL UNION EXECUTIVE, 1937—Seated, left to right: Messrs. J. E. French, A. R. Melhuish (*treasurer*) C. W. Hobson (*vice-chairman*), W. W. Atkinson (*chairman*), G. A. Mallinson (*secretary*), Miss B. Sharples (*assistant secretary*), and Mr. D. A. Bryan (*past chairman*). Standing, left to right: Messrs. J. Evans, H. H. Marshall, W. I. Scholes, A. Dobson, S. J. Stearn, T. Heseltine, W. J. Tristram, B. Pugh Davies, J. Hearle, C. J. Yeates, J. Hague, E. A. Atkins and W. Forster.

Pharmaceutical Society of Northern Ireland

Council Meeting

THE monthly meeting of the Council of the Pharmaceutical Society of Northern Ireland was held in the Society's headquarters, 73 University Street, Belfast, on May 21, the president (Mr. Samuel Gibson) in the chair. There were present also Messrs. S. H. Forrest (vice-president), William Martin, W. C. Tate, J. W. Gray, H. F. Moore, James McDowell, Charles Abernethy, James Glendinning, I. W. Parker, John McGregor, Professor Mayrs, and Dr. S. E. A. Acheson. Mr. D. L. Kirkpatrick (secretary) was in attendance.

CORRESPONDENCE

An application for leave to enter for the June examination, which was received on May 4, was refused on the ground that it was too late.

An application from another candidate who was four and a half hours short in lectures, owing to illness, to sit at the examination was granted.

THE SECRETARY said that in the case of illness they had power to accept a candidate in the circumstances.

The following letter was received from the Ministry of Home Affairs:—

"I am directed by the Minister of Home Affairs to acknowledge receipt of your letter of the 19th inst. forwarding a copy of a resolution passed by the Council of the Pharmaceutical Society regarding the removal of Mr. R. A. E. Simmons' authorisation to be in possession of and to supply dangerous drugs, and intimating that a deputation would be prepared to wait on the Minister and request him to restore Mr. Simmons' authorisation. The Minister desires me to state that he has again considered Mr. Simmons' case most carefully in all its aspects. . . . In the circumstances the Minister is of opinion that no useful object could be served in the proposed deputation waiting on him. Your Council may rest assured, however, that this case will continue to have the Minister's attention."

THE SECRETARY said they could make another application later on.

ILLNESS OF MR. CONNOR

It was decided to send a letter of sympathy to Mr. J. E. Connor, J.P., a member of the Council, on his illness. THE SECRETARY said Mr. Connor was in a nursing home in Belfast but was progressing very favourably and hoped to be out soon.

CORONATION HONOURS

Congratulations were directed to be sent to Sir Dawson Bates, Minister of Home Affairs, on his elevation to the baronetcy; to Mr. W. A. Magill, Private Secretary to the Ministry, on receiving the O.B.E.; and to Mr. H. N. Linstead, Secretary of the Pharmaceutical Society of Great Britain, on receiving the O.B.E.

EXAMINATION ITEMS

The Council heard with pleasure that Professor James Small, one of their number, had been appointed an examiner in botany for New Zealand.

Reporting on the June examinations, THE SECRETARY said there were 119 entries, 49 for the Final and 70 for the Preliminary Scientific. The examiners were now across the Channel and there was much more writing. Candidates got every chance.

MR. McDOWELL said students were coming in from the country for the day classes in the Technical College and were at the same time drawing the dole.

THE SECRETARY said it would astonish them to know that many students were drawing the dole.

ELECTIONS

Mr. Thomas Finegan, 340 Antrim Road, Belfast, was elected a member of the Society; and Mr. Andrew G. Kerrigan was elected a student of the Society.

THE JUNE COUNCIL MEETING

It was decided to hold the June Council meeting in Londonderry, and that the members of the Council should entertain the members of the Derry Association, who had previously entertained the Council on its visits.

MR. GLENDINNING returned thanks on behalf of the Londonderry chemists.

MR. TATE said he would like to see the Council visit other places as well as Derry.

The Londonderry meeting was fixed for the third Thursday of the month, June 17. The arrangements were left in the hands of the secretary and Mr. Glendinning.

EDUCATION COMMITTEE

The report of the Education Committee contained the following:—

It was agreed that the Certificate of Apprentice to a Pharmaceutical Chemist be granted to Michael Eugene O'Hare, 37 Creggan Street, Londonderry, who had submitted Junior Certificate, Ministry of Education N.I. No. 3031, passed in 1933.

It was agreed that the candidates as undernoted be allowed to sit for the June Examinations under Part I and Part II, provided their class attendances are in order:—

Part I.—Beckett, J.; Chart, C. G.; Crilly, J.; Emerson, J. A.; Foye, R. A.; Hamilton, T. H.; Montgomery, T. J. W.; Mullan, W. J.; McCafferty, J. D.; McDowell, C. A.; McIntyre, J. A.; McKnight, R. E.; O'Donnell, M. J. A.; O'Kane, B. A.; Rankin, V.; Seaton, A.; Skeels, V. D.; Stevens, D. J.; Storey, F. J. R.; Taylor, G. A.; Ward, J. J.

Part II.—Bourke, E. A.; Cowzer, H. H.; Dick, W.; Doran, A. P.; Gordon, R. K.; Gwynne, H. G.; Guilfoyle, W.; Hutchinson, S.; Johnston, S. J.; Kerrigan, A. G.; Kelly, J. J.; Lee, M. P.; Lowry, J. F.; Marshall, H. J.; Mercer, G.; Millar, H. M.; McArdle, D. L.; McCauley, H. S.; McDowell, T. D.; McGlade, B. A.; Parkinson, G. H.; Rutherford, S.; Smiley, S. J.; Smith, Annie Irene; Smyth, J. S.; Taylor, R. J.; Whitcroft, C. R.; Whiteman, Hannah Isobel.

It was recommended that entries be accepted for the examinations for the period of seven days after the last normal day of entry on payment of a late fee of 10s. 6d.

On the motion of MR. ABERNETHY, seconded by MR. MOORE, the report was adopted.

MR. MCGREGOR suggested that prescription pricing should be added to the Business Methods section of the examination. At present the knowledge of many of the candidates on that matter was negligible.

THE SECRETARY read the Business Methods syllabus, and said the most important part was left out.

MR. MCGREGOR asked if it could be brought in under shopcraft.

THE SECRETARY said it could, possibly.

DR. ACHESON said it could be put in under book-keeping.

The matter was eventually referred to the Education Committee.

Divinyl Ether Approved

A PARAGRAPH on the use of divinyl ether as an anæsthetic appeared in THE CHEMIST AND DRUGGIST, 1934, I, 369. During the three years that have elapsed extended trial of this substance has been made, and in "The Journal of the American Medical Association" (108, 14, 1163), I. S. Ravdin and others give details of results obtained in 2,675 cases. Most of the facts related are of purely surgical interest: it may, however, be mentioned that the new anæsthetic has been used in dental, ophthalmic, orthopædic and other types of practice. The authors' summary at the end of their monograph states that: Anæsthesia is rapidly induced and easily maintained, and recovery is rapid. Muscular relaxation is excellent. The post-anæsthetic complications in their cases have been low. No instance of liver necrosis has been observed in the patients, but this was guarded against because this agent is more toxic than diethyl ether although less toxic than chloroform. For short anæsthetisations the anæsthetic can be administered by the drop method, but for periods of anæsthesia exceeding forty-five minutes the simultaneous administration of oxygen is advisable. Only a few patients were anæsthetised for longer than forty-five minutes. For a wide variety of operative procedures of short duration the authors believe that divinyl ether is a most useful anæsthetic substance.

A Display of SHAVING REQUISITES



Displaying Shaving Requirements

THE display of shaving requisites illustrated opposite was set up in the C. & D. five-foot window. The goods available consisted of safety razors and blades, shaving sticks and creams, brushes, brushless creams and sundries such as shaving sponges, alum blocks, styptic pencils and lotions. After reviewing the stock it was decided to put the razors at about eye level, the most numerous brand centrally and the others on either side of it. Below these were to be placed, in the centre, shaving brushes; at the left, shaving sticks; and at the right, shaving creams, grouping the lathering and brushless varieties separately. The oddments, if the term may be employed without minimising the importance of the miscellaneous items, were left to be arranged mainly on the deck of the window or in any other available spaces. Arrangements were then made for the background and deck coverings, the colours selected being shell pink, with vertical bands of Royal blue and "tubes" of white. It may be stated that the background was not considered of vital importance with so varicoloured a stock. The blue bands certainly set off the packeted blue Gillette blades to advantage, but any pale or neutral shade would have done equally well for the remainder. Next, the stands were put in position—first an 18-in. stand in the centre with 24-in. oval upon it. Upon this was put another rubber-footed metal stand, of equal size—also with a 24-in. glass oval upon it. A 9-in. stand with an 8-in. oval completed the central column. Flanking it, at the front of the window, were columns consisting of two 12-in. stands and 18-in. and 14-in. ovals; and at the rear, 30-in. stands mounted with 20-in. ovals and supporting 12-in. stands and 12-in. glass circles. Apart from a straight glass shelf on 6-in. stands in the front centre, this completed the initial layout. On the front side stands were disposed, in small groups of pyramidal, staggered or columnar formation, shaving sticks on one side and creams on the other. Shaving brushes were arranged on and around the straight shelf in the lower front portion of the window, making use of some most attractive stands put out by G. B. Kent

& Sons, Ltd.; Britton, Malcolm & Waymark, Ltd. (Viking brushes); S. Maw, Son & Sons, Ltd. (Meritor brushes); and British Xylonite Co., Ltd., (Bex brushes). Attention was then given to the central razor and blade display, commencing with the rosettes of blades in bull-dog clips at the shelf edges, continuing with a companion set (razor, blades, shaving cream, etc.) on an extension clip on the upper glass oval, and backing up with Gillette, and Valet razors, blades and show-pieces as shown. Eclipse razors and blades, and Laurel and G.B.S. razors and blades, were arranged in groups on the rear side columns. The bulk of the display was now complete, and such remaining items as shaving mirror, after-shave lotion, talcum, blade-sharpening machine, and the rest, were easily disposed of in the spaces still remaining. When the ribbon-mounted dummy packets of blades had been suspended, the window was finished.

Makers who supplied goods for the display included:—BOURJOIS, LTD. (shaving sticks); BRITISH XYLONITE CO., LTD. (shaving brushes, brush box, used blade box, etc.); ERASMIC CO., LTD. (shaving sticks); FASSETT & JOHNSON, LTD. (Morning Pride brushless shaving cream; Mennen menthol-iced and plain shaving creams); D. & W. GIBBS, LTD. (shaving cream); GILLETTE INDUSTRIES, LTD. (Gillette and Valet safety razors); Gillette, Valet and Seven o'clock blades; Gillette companion set); G. B. KENT & SONS, LTD. (shaving brushes; shaving sticks); GEO. H. LAWRENCE, LTD. (Laurel safety razors and blades); S. MAW, SON & SONS, LTD. (shaving cream; shaving brushes, alum blocks; styptic pencils; after-shave talc; sponges); JAMES NEILL & CO. (Sheffield), LTD. (Eclipse safety razors and blades); PROVINCIAL INCANDESCENT FITTINGS CO., LTD. (Sharpex blade stropper); POTTER DRUG & CHEMICAL CORPORATION, LTD. (Cuticura shaving sticks and cream); THOMAS REID & SONS, LTD. (Bamyl pine-tar shaving sticks and cream); SCOTT & BOWNE, LTD. (Williams shaving sticks; Aqua Velva after-shave lotion; and Esquire brushless shaving cream); G. & R. B. SMITH, LTD. (G.B.S. safety razors and blades).

Summer-time Display Suggestions

TO maintain a high standard of window dressing, borrowed inspiration must sometimes be resorted to. Ideas possessing the recommendation that they have secured reluctant shillings for another pharmacist may therefore be welcome. As a suggestion, it is often a profitable and stimulating occupation to fill a blank sheet of paper with the advantages and disadvantages of living in one's own suburb or town during the summer months. It is quite possible that one result will be to reveal that there are unrealised attractions to visitors.

An American chemist who thought along these lines was the manager of a drug store at Morrilton, Arkansas. Morrilton is surrounded by mountainous country, with good fishing streams and camping spots. Tourists find the town a convenient base from which to commence fishing and camping trips—and, as it proved, replenish anticipated or suggested supplies. This transient population was tried out as a source of sales last season. Without either the means or the space for an elaborate show, the pharmacist put in a convincing display with a "homespun" flavour. Using dark green crepe paper for a background, he used also a thickly-leaved bush from a local woodland glade, and included a showcard: "All Holiday Needs and Outing Supplies." The central feature was a metal tank, roughly two feet wide by three feet long, filled with water to represent a swimming pool in a rustic retreat, the impression being strengthened by moss-bordered shores and willow-tree cuttings. Human interest was provided in several effective ways. First, a small log was balanced over one end of the pool so that it did not topple over. A suitable doll in overalls, with a little straw hat and bare feet, was put upon the log with a small fishing rod. Attached to one end of the rod was a fine fishing line, the other end of which reached about midway towards the rear right corner, where it was wound on to a pulley attached to a small electric fan. As the fan moved it pulled

on the cord and raised the fishing line out of the water, to be again pulled down by a weight attached to it. The remainder of the floor space was taken up with holiday suggestions, such as vacuum flasks and jugs, soaps, bathing caps, cameras and films, washing squares, sunburn and insect remedies, and sun goggles.

The city pharmacist is faced with a general exodus. A holiday display must, if it is to win its full results, be general, not specific, in the kind of holiday suggested. A display in a shop at Leeds was centred round a suitcase only. On the floor near the rear centre was the suitcase, open and partly filled, ready to receive the toilet necessities that were "falling" into it. The method of creating this illusion was to use a long narrow board, covered with green crepe, that sloped from the rear top centre, with the articles affixed to it by rubber bands. Among the items were hair brush, vacuum flask, tooth paste, face powder and hair tonic. In the left foreground was a large card worded: "YOUR HOLIDAY BAG. What will you put in it?"—with a list of nineteen toilet requirements.

A display at a drug store at New Bethlehem, Pennsylvania, U.S.A., consisted of a window divided into two sections. The first section was arranged to represent a child's nursery, with a nursery rhyme frieze on the white painted wallboard background. In apparent charge was a life-size cut-out of a nurse, busy weighing a baby doll on the scales (the scales were real). The other section, trimmed throughout with blue and white checked paper, featured foods, accessories and equipment.

Changes in the interior layout of the shop sometimes act as a summer sales tonic, especially if they can be arranged to suggest coolness. One pharmacist purchased a couple of gaily painted lawn or porch tables—the kind with a large pole running up the middle and a bright canvas umbrella-top to protect the seated guests from the blazing sun. They did duty in the store as showstands, one devoted to summer medicinal preparations, the other to seasonal toilet requirements.

Trade Notes

NEWTON, CHAMBERS & Co., LTD.—The address given in connexion with the announcement of new trade terms (*C. & D.*, May 22, p. 594) should have been Thorncliffe, Sheffield, and not as stated.

SALES PROMOTION.—The Crookes Laboratories, Park Royal, London, N.W.10, are offering chemists an attractively dressed window display or alternatively a mixed display for lacto-calamine, zinc cream and Karvol insect bite lotion in return for certain bonus orders. Showcards will be supplied on request.

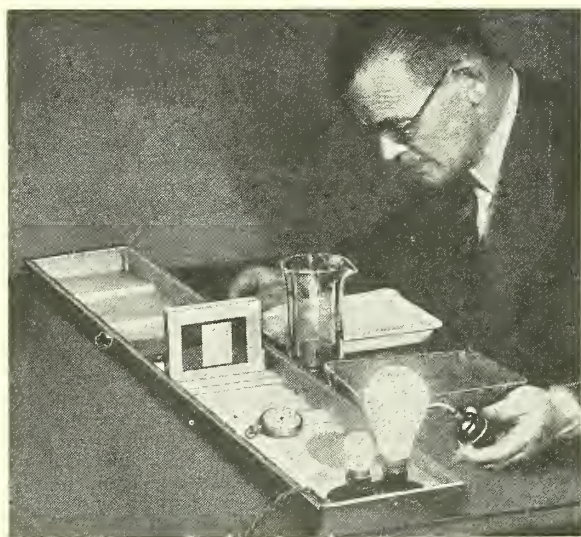
FYNNON SALT.—Macleans, Ltd., Great West Road, Brentford, can now supply chemists with Fynnon salt dummy tins for window shows. It is announced that the sales of this product are rapidly increasing and pharmacists are requested to use the display material furnished on request in order to participate in the sales which result from intensive advertising.

CORRECTION.—Owing to a transposition of type lines, certain goods included in the description of the *C. & D.* window display of disinfectants, etc. (*C. & D.*, May 15, p. 566), were ascribed to opposite makers. Pestroy insect powder is, of course, manufactured by Bob Martin, Ltd., Southport, and the warble fly powder by Allon & Hanburys, Ltd., London.

SQUIBB PRODUCTS.—Savory & Moore, Ltd., 61 Welbeck Street, London, W.1, send us a copy of the announcement which is being distributed to every pharmacist in the country stating their appointment as distributors of the products made by E. R. Squibb & Sons, New York. This pamphlet gives a good representation of the Squibb laboratories and building, as they were in 1858 and as they now are.

POTTER'S BULLETIN.—A souvenir number of the bulletin issued by Potter & Clarke, Ltd., 60-64 Artillery Lane, Bishopsgate, London, E.1, has just been published. It is copiously illustrated and included is an account of the history of the firm from its foundation in 1811 to date. Photographs of the representatives also appear, and the medicinal herb window which appeared in a recent issue of *THE CHEMIST AND DRUGGIST* has been repeated in this publication, which is printed by Messrs. Potter & Clarke themselves.

JOHNSON'S PRINTING BOX.—In order to encourage more home photography, Johnson & Sons, Manufacturing Chemists, Ltd., Hendon, London, N.W.4, have introduced a printing box which is fitted with a flex for connecting with wall or pendant



plug and a two-way switch for alternating orange and white lights. A printing frame, 2½ in. by 3½ in., is included, but the box will take any size frame up to half-plate. This box is being regularly advertised, and further details are given in a leaflet obtainable on request.

BUTYWAVE PRODUCTS.—From June 1 next all orders for products of the Butywave Co. should be addressed to Fassett & Johnson, Ltd., 86 Clerkenwell Road, London, E.C.1, who have been appointed sole distributors to the pharmaceutical trade in Great Britain and Northern Ireland. The illustration shown is the display container of Bu-to odourless hair remover, which is free from the objectionable sulphide odour associated with many depilatories. Full instructions are given with each tube.



STAINLESS STEEL WARE.—Isaac Webster & Sons, Ltd., Abbey Works, Kirkstall, Leeds 5, direct attention to Webster's stainless steel ware for manufacturers. Articles issued in this material include funnels, mixing containers, measures, percolators, etc. Further details may be obtained on application.

BAKELITE MATERIALS.—An interesting and informative brochure dealing with applications of bakelite material in industry has recently been published by Bakelite, Ltd., 68 Victoria Street, London, S.W.1. It is profusely illustrated and gives an excellent indication of the numerous uses of this material.

WINDOW DISPLAY CONTEST.—A window display competition with a prize for every entrant in the nature of a bonus of fourteen to the dozen is announced by Lysol, Ltd., Raynes Park, London, S.W.20. Cash prizes are as follows: First £25, second £15, third £5, and ten consolation prizes of £1. The competition closes on June 30, and entrants are asked to submit their photographs as early as possible.

VETERINARY TRADE.—Bob Martin, Ltd., Southport, Lancs., send us copies of their two new booklets "For Dogs" and "For Cats." The first-named is a descriptive catalogue of Bob Martin preparations for dogs; in addition, canine ailments and descriptions of them are given. The booklet entitled "For Cats" describes the care of cats and their treatment in illness. The booklets are attractively designed and are intended for easy reference by animal lovers. It may be noted that the new "plus dog" advertising starts this week. Throughout the summer "plus dog" advertisements will appear in the principal newspapers. Chemists will be supplied with effective show material on request. Further details are given elsewhere in this issue.

Recent Wills

MR. LEONARD ROBINSON, 72, Park Avenue, Barrowford, Lancs, chemist and druggist, who died on March 10 last, aged thirty-five, left estate gross value £2,864, with net personalty £1,079.

MR. TUDOR TRAVERS HORA, 9 Geraldine Road, Wandsworth, S.W., chemist and druggist, died on March 28 last, leaving property gross value £10,173, with net personalty £7,735.

MR. FREDERICK CHARLES RHEINBACH, 6 The Parade, Bridge-water Drive, Westcliff-on-Sea, chemist and druggist, who died on January 14 last, intestate, aged thirty-eight, left estate value £1,237, with net personalty £491.

MR. ALBERT THOMAS HONIATT, Hawick Court, Eversfield Place, St. Leonards-on-Sea, and formerly of 35 Junction Road, Upper Holloway, N., chemist and druggist, died on November 7 last, aged 75, leaving property gross value £5,321, with net personalty, £2,204.

Births

Notices for insertion in this column must be properly authenticated.

CELNICK.—At Dalehurst Nursing Home, Leigh-on-Sea, on May 20, Millicent, wife of Martin Celnick, M.P.S., "The Shieling," Leigh-on-Sea, of a son.

NETHERWAY.—At the Meadway, Buckhurst Hill, Essex, on May 19, Joyce Valeé, wife of Stanley M. Netherway, M.P.S. (Allen & Hanburys, Ltd.), of a daughter.

Marriages

JERVIS—BRATLEY.—At St. Peter's Church, Oadby, Leicester, on May 15, Reginald F. Jervis to Edith Maud Bratley, M.P.S.

LOWES—FLYNN.—At Widnes, on May 17, John Lowes, M.P.S., Macclesfield, to Margaret Flynn.

Deaths

FERRYMAN.—On May 21, Mr. Herbert Ferryman, M.P.S. (Herbert Ferryman, Ltd., 64 Bellevue Road, Southampton), aged seventy-one. Mr. Ferryman founded his business over forty years ago; he eventually disposed of the retail side and confined his attention to the wholesale, retiring from active life two years since, but remaining on the board of directors. He was member of the Southampton Insurance Committee, a freemason, and a pioneer in the organisation of lawn tennis. Mr. Ferryman is survived by a daughter. Among those present at the funeral were the following members of the Southampton Branch of the Pharmaceutical Society: Messrs. Julius Caesar, W. E. Bassill, A. B. Ogle, F. W. Hazell, W. Cox, H. A. Pickup, C. Cole, W. Riddle, P. G. Eley and H. Jewell; and Mr. R. Leeson (chairman, Southampton Branch of the National Pharmaceutical Union).

LIVESLEY.—On May 21, Mr. Thomas Henry Livesley, Ph.C., Moorland House, Birch Vale, Stockport, aged seventy-four. Mr. Livesley carried on business at Hayfield for fifty-eight years. He leaves two qualified sons.

MILTON.—A large number of members of the drug trade attended the funeral service of Mr. T. C. Milton, Ph.C. (whose death was recorded in our issue of May 22), at Exeter Cathedral on May 19. Among the pharmacists present were Messrs. J. W. Lake, J. Harris, C. J. Symes, H. G. Shand, C. Wynne Tighe, W. R. B. Arnold, P. M. Smith and H. Wippell Gadd. The Devon Pharmaceutical Committee was represented by Mr. F. Sutherland.

MORRIS.—At Limsfield, on May 25, Sir Ernest William Morris, aged seventy-one. Sir Ernest Morris qualified as a pharmaceutical chemist in 1895. From 1903 to 1930 he was house governor of the London Hospital, of which institution he wrote a history. He was knighted in 1932.

PATTINSON.—At Idylwild, Hexham, on May 19, Mr. William Pattinson, J.P., M.P.S., 1 Cattle Market, aged seventy-four. Mr. Pattinson was in former years a well-known athlete, playing Rugby football on occasion for his county. He served for some years on the Hexham Urban District Council, and was a member of the Northumberland Insurance Committee and a founder of Hexham Bowling Club. Mr. Pattinson leaves a widow and two daughters. Among the large congregation present at the funeral service in Hexham Abbey there were members of several local bodies. The Northumberland Pharmaceutical Committee was represented by Mr. C. E. Layne and Mr. P. B. Layne.

PHILP.—Recently, Mr. William John Ignatius Philp, Ph.C., 2 Kent Gardens, Ealing, London, W.5, aged seventy-one. Mr. Philp carried on a pharmacy at 34 High Street, Notting Hill, W.11, for a long period, and was president of the Western Pharmacists' Association in 1905-06. Among the wreaths at the funeral was one from the Western Association.

SQUIRE.—At the Ryepeck, Shepperton, May 23, Mabel Jane, widow of Sir Peter Squire, Ph.C. (Squire & Sons, Ltd., 413 Oxford Street, London, W.1).

Personalities

Mr. T. EDWARD LESCHER, chairman of the Liverpool Chamber of Commerce and of the British Pharmaceutical Conference, spoke on the National Defence Contribution at a meeting of the Runcorn and District Chamber of Commerce on May 20.

Mr. WILFRID HILL, managing director of the County Perfumery Co., Ltd., has been invited to become a candidate in the forthcoming by-election at Bewdley, but has been obliged, on account of his business responsibilities, to decline the invitation.

At the anniversary meeting of the Linnean Society of London, on May 24, Mr. John Ramsbottom, Keeper of Botany at the British Museum (Natural History), was elected president. The Linnean gold medal was presented to Dr. F. F. Blackman, F.R.S., formerly Reader in Botany in the University of Cambridge.

The portrait of Mr. James Grier, M.Sc., that appeared on p. 587 of our last week's issue should have had a cross-reference to the paragraph on the Manchester Cathedral service to which it related (p. 584), and Mr. Grier should not have been described as newly elected to the chair of the Manchester Pharmaceutical Association, his election having taken place a year ago.

Dr. SYDNEY SMITH has been appointed works manager at the Wellcome Chemical Works of Burroughs Wellcome & Co., Dartford. It will be recalled that the previous holder of this post was Dr. H. A. D. Jowett, who met his death in a car accident last August. Dr. Smith has been associated with Messrs. Burroughs Wellcome for twenty-three years, and during that time has made highly important contributions to the study of the alkaloids of ergot and glycosides of digitalis.

Mr. GEORGE STRUTT (Thomas Hodgkinson, Prestons & King, wholesale druggists), who is well known in the Midlands and the South-East of England, is retiring after forty-five years "on the road." His absence will make another gap in that now short list of old-type drug travellers, for he was never seen without a buttonhole of flowers of his own growing, while his genial personality was always welcomed. He retires with the best wishes of his firm, his colleagues and his customers.

Mr. A. SURFLEET, Ph.C., the new president of the Hull and District Chemists' Association, is a native of Gainsborough. He commenced his pharmaceutical career in the laboratories of Lofthouse & Saltmer, Ltd., manufacturing chemists, Hull, but his apprenticeship was interrupted by the war. He joined the East Yorkshire Regiment, and later served with the Royal Air Force. Mr. Surfleet qualified in 1920 from the "Square," and in 1923 passed the Major examination; he was also captain of the "Square" Football Eleven for that year.

Coming Events

Monday, May 31

International Faculty of Sciences, Gaumont-British Theatre, Film House, Wardour Street, London, W.1, at 7.30 p.m. Dr. S. Monckton-Copeman on "Experimental Work Bearing on the Treatment of Cancer." Illustrated.

Tuesday, June 1

Wimbledon and District Pharmacists' Association and Branches, Wimbledon Town Hall, at 8.30 p.m. Dr. Alex. Crawford, M.P.S., on "The Role of Minerals in Nutrition."

South-East London Chemists' Association, Ship Hotel, King William Street, Greenwich, S.E.10, at 8.45 p.m. Annual meeting.

Wednesday, June 2

Pharmaceutical Society, Reading and District Branch, visit to the Society's Pharmacological Laboratories. Assemble at 17 Bloomsbury Square, London, W.C.1, 2.30-2.45 p.m.

Pharmaceutical Society of Great Britain, 17 Bloomsbury Square, London, W.C.1, at 3.0 p.m. Disciplinary inquiry by the Statutory Committee.

Thursday, June 3

Western (London) Pharmacists' Association. Outing to factory of Allen & Hanburys, Ltd., Ware. Preference to early applications.

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FOR THE

S.M.C., B.O.A. and N.A.O. DIPLOMA Examinations

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THE

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The President's Annual Address

THERE are few opportunities indeed when the occasion arises to comment upon the statements made by so experienced a public speaker as is Mr. Marns, president of the Pharmaceutical Society. If such an occasion does arise, therefore, it is all the more necessary for attention to be directed to points which seem to have warranted further elucidation and which, if left unchallenged, might be misinterpreted.

It is no easy task even for the president to comment upon the year's work in official pharmacy. It is in this connexion perhaps fortunate that so large a percentage of pharmacists who are perforce members of the Society take so little interest in the work of the parent body. One of the most important statements during the address was to the effect that a public relations officer had been appointed by the Council. It would have been a matter of considerable interest to have heard more of this surprise though welcome appointment. This omission, however, will no doubt be rectified in due course. Once more the president had to record an increase in the number of registered pharmacists and at the other end of the scale draw attention to the decline in the number of apprentices. There can be little doubt that this number must of necessity decline in future years, in view of the fact that schoolmasters are in many parts of the country advising those who are leaving school not to enter pharmacy, which requires of them so much and returns so little. No one can foretell what is likely to happen in regard to the Select Committee's report, but on the evidence published, Mr. Marns adopts a perhaps pardonably eulogistic attitude in regard to the presentation of the Society's evidence. It is to be hoped that the proposed conference promised by Mr. Marns of representatives of pharmaceutical organisations will have some concrete plan of action and will have less to say about the ethics of pharmacy; rather is it essential to insist that the training and knowledge of the pharmacist entitle him to a position in the handling of medicines which cannot be described as "illusory." The future of pharmacy was easily dismissed by Mr. Marns in his appeal for loyalty to the Society. That this loyalty will be forthcoming goes without saying provided the Society give some indication to the retail chemist that they are looking after his interests. It is for the Council of the Society to give a lead to the individual, for after all the Council are appointed to serve the pharmacists whom they represent.

Speaking in regard to finance, Mr. Marns had some interesting remarks to make regarding the official organ. No one doubts the desirability of any professional or technical body having an organ dealing with official proceedings; but it is difficult to compare a publication which is distributed to every member of the Society with independent technical journals which are paid for directly. If, on Mr. Marns's figures of 11s. to 12s. per member, it is possible to obtain a publication for which in the ordinary commercial market a higher fee would be paid, then why not let the chemist decide the matter for himself? At the present time,

11s. to 12s., it is stated, of the chemist's annual and statutory fee to the Pharmaceutical Society is swallowed up for a publication which he may or may not wish to see. If the subscription to the official journal were made voluntarily, there would be undoubtedly evidence forthcoming as to whether or not this bland comment of the president could be fully justified. Another point is that if the cost of subscription is between 11s. and 12s. a member, why should an increase of 500 members result in an increase of the greater part of £524 in cost of the official organ? That there is some attempt to save members' money may be gathered from the statement that if the official organ were published on Fridays it would cost from £2,000 to £3,000 per annum extra, owing to night work. This, however, is an expense which the independent journals willingly incur in their readers' interests. In view of the rapidly changing Council, the president would perhaps have spoken to better purpose had he given a more definite indication as to what he had in mind for improving conditions in pharmacy.

Sicilian Lemon Oil Firmer

THIS week's burst of seasonable weather has revived interest in citrus oils and particularly so in lemon. The spot market is rather bewildering, with sellers' ideas of prices covering a wide range from, say, 11s. up to 12s. 6d. per lb. and there may be sellers at less. Good quantities of oil were brought in shortly after Sanctions were raised at cheap prices compared with those quoted for shipment to-day. For the moment the spot market seems to be fairly well supplied and some sellers, at least, are not inclined to take very much notice of the stronger shipment market. There is little doubt, however, that a brisk consuming demand would tend to make spot holders more reserved. The fact is, however, that consumers appear to have done but little buying so far this season. No doubt they had a good deal of oil left over from last summer, which turned out wet and cold. Even so, these surplus stocks must be running low and a better demand may now be experienced. Much depends on two factors. First, continued fine and warm weather and, secondly, the price for the oil must be reasonable.

We have received from a reliable but unofficial source a report as to the position in Sicily, which includes the following figures:—

	Kilog.
Carry-over December 1, 1935	50,000
Estimated production for year to November, 1936	381,000
	431,000
Estimated shipments for year to November, 1936	276,000
Carry-over, December 1, 1936	155,000
Estimated production for 1936/37	250,000
	Kilog. 405,000

Owing, no doubt, to Sanctions, shipments for the year to November 30, 1936, were only 46 per cent. of the previous twelve months, but even so the carry-over was no more than normal. We are advised, however, that immediately Sanctions were raised heavy shipments were effected and that most of this surplus oil was quickly cleared from stock. It will be noted that the production for the current season is about half the normal output. This, in conjunction with

the fact that the average yearly shipments total between 400,000 and 600,000 kilogs., clearly shows the strength of the shipment market. It is, on this basis, submitted that the present available stocks, particularly of genuine hand-pressed oil, are very much lower than the figures indicate. It is admitted that for some time the shipment market has been unusually quiet and that quotations dropped back during April. There is now, it is added, a much better tone and with the limited stocks of genuine oil on hand having to meet all demands up to next December/January, it is considered likely that quotations will at least be maintained at current prices, with a fair possibility of some further advance. Opinion has been expressed that, given favourable conditions, lemon oil may well reach 20s. per lb. before the end of the season; such a price, which, in our opinion is most unlikely to materialise, would reduce the demand for genuine oil to a minimum. An unduly high market will only drive consumers to buying various concoctions, some of which may even be described as lemon oil. In our opinion, the key to the situation is the coming summer. Given seasonable weather consumers will require good quality hand-pressed lemon oil and they will be willing to pay a reasonable price for it, but they will, as they have done before, severely limit their purchases of the genuine product if the market is inflated.

Drug Tariff Changes

CHEMISTS under contract with Insurance Committees have been notified of impending changes in the Drug Tariff, to take effect in July. Certain new appliances are introduced and a few additions are made to the list of drugs, but a most important departure from previous Tariffs is the inclusion of a new section (Part IV), which consists of a list of drugs and appliances which the chemist is not expected to keep in stock. The changes may be taken as indicative of the current trends of medical treatment. Thus, aq. menth. virid. and liq. copaiba are relegated to the background, while ol. hippoglossi and liq. calciferol are introduced. It may be noted that mel boracis and bals. Peru still find a place. A new wound dressing is specified, which consists of medicated gauze on an adhesive elastic backing. The dressing is to be packed in sets of three, and supplied in various sizes. Complaints have been received about the quality of hypodermic needles supplied to insured persons; nickel-plated steel needles are now specified. The only wool which the chemist need keep in stock after July 1 is absorbent unmedicated, boric wool being included in the new section. The only medicated gauze retained in the "to-be-stocked" list is "cyanide," several less frequently used bandages, such as calico, muslin and domette, being relegated to the new list. For drugs and appliances in the new Part IV of the Tariff the ordinary dispensing fees will be payable. No mention, however, is made of out-of-pocket expenses which have hitherto been allowed for ampoules specially obtained and proprietary preparations and appliances not included in the list. Doubtless the point will be cleared up when the July Drug Tariff is issued.

"Touching" by Monarchs

THE issue of "The British Medical Journal" for May 15 had an informative article on the now obsolete practice of touching for the king's evil, embodying some recent research on the subject. The anonymous author states that in England the beginning of the practice may be reckoned as dating from the reign of Edward the Confessor, who died in the year 1066, though in France the ceremony is referred back to the Coronation of Clovis in 496 A.D. It began soon to be debated by the chronicler William of Malmesbury and the monks whether the Confessor had cured by virtue of his own holiness or whether the power had been transmitted to him by his royal ancestors. These healings seem at first to have been of many diseases—leprosy, plague, jaundice, and possibly tubercle—and from the large numbers touched at later dates it must surely be inferred that the term "scrofula" was extended to cover not only glandular swellings of the neck, but swellings of any kind in any part of the body. Evidence of the practice is lacking during the reigns of William II, Henry I and Stephen. It was revived by Henry II, but there is no evidence that John or Richard I ever touched—the latter King being very little in England. With Edward I we are on firmer ground, for the Household accounts (1277-8) of that monarch show "for 17 sick persons signed by the King 17d.," and in one month he touched 533 persons. During the fifteenth century there are few cases recorded, but Henry VII restored the practice and added a new ceremony, giving to each person an angel—a gold coin with the figure of St. Michael on the obverse.

The forms of prayer used by James I and Charles I are found in contemporary prayer books, and there are many proclamations in the State papers laying down regulations. Access to the Court is forbidden during the hot weather, doubtless from fear of the plague; Easter and Michaelmas are the times usually fixed for the healing. Clergy and churchwardens are to certify that the sufferer has not been touched before. Persons are to be examined by physicians to testify that they are really suffering from the evil. That the King's power was almost universally believed in cannot be doubted. Entries in parish registers record grants of money made to enable poor persons to proceed to London. During the Commonwealth the practice fell into abeyance, Cromwell not presuming to exercise it, but at the Restoration there was a great revival. Charles II did not repel any wishing to attend, and it is computed that during his reign he must have touched 90,000 persons. He did it with "great gravity," says Pepys. Unauthorised healers sometimes arose who were prosecuted.

William III declined to touch: "It is a silly superstition," he said. "Give the poor creatures some money and send them away." Once he relaxed. "God give you better health and more sense." Queen Anne, though admitting that the crown was now held on a parliamentary tenure, never quite divested herself of the conception that as of royal descent she had powers beyond the common. She revived the practice, and as is well known twice touched Samuel Johnson, though, says Boswell, without effect. Johnson's touch-piece is in the British Museum. Before Charles II current coin was pierced and hung round the devotee's neck. George I referred supplicants to the Pretender at St. Germain. In France the practice persisted much longer.

A Tuberculosis Study

A BRIEF communication headed "Tuberculosis in Wild Voles" appeared from the pen of Dr. A. G. Wells in a recent issue (5934, 1221) of "The Lancet." This preliminary report, as the author calls it, states that for the past twelve months the field service of the Bureau of Animal Population in the University of Oxford has enabled him to examine voles, both dead and alive, from areas in Scotland, Wales, and England which are uncultivated and fenced off from domestic animals. On January 29, a vole died which had been in the laboratory for a little over one month. The caseous material in the subcutaneous tissues contained a very large number of acid-fast bacilli, which have the morphology of *Mycobacterium tuberculosis*. The disease has been reproduced in voles with death of the animals; three guinea-pigs which had been injected have died with widespread disease of the organs, in which acid-fast bacilli are present; large local lesions have occurred in rabbits similarly injected, without so far causing death. All the guinea-pigs and rabbits have become reactors to tuberculin in about one month after inoculation. Although some facts about the bacterium in question are not yet known, it seems highly probable, the author concludes, that it is *Mycobacterium tuberculosis*. If it proves to be so several points of interest arise. The existence of tuberculosis in wild animals may have some importance in the spread of the disease to man and domestic animals; the use in the laboratory of an animal which naturally contracts the disease may be preferable to the use of the animals, used hitherto, which are not known to have the disease in nature; and the fact that a small animal, easily maintained and bred in captivity here, is available for epidemiological study may throw fresh light on tuberculosis.

Action of Benzedrine

Observations in London

A MONOGRAPH on benzedrine, a substance momentarily popular in the lay Press, appears in a recent issue (3984, 1013) of "The British Medical Journal" as the joint contribution of Drs. E. Guttmann and W. Sargent, whose investigations have been mostly confined to the action of benzedrine on the cardiovascular system and the psychological changes observed. Small doses were generally employed, ranging from 10 to 30 mgm., larger amounts only being used under strict supervision for experimental purposes. It was given by mouth in the form of tablets.

The influence of small doses on the blood pressure is limited. Fluctuations of 10 to 30 mm., however, were sometimes observed. This degree of alteration falls within the limits of experimental error and normal physiological variation, but it was attributed to benzedrine when it was repeatedly observed in the same patient under exactly similar experimental conditions. Further, the degree to which the blood pressure altered with the standard dose seemed almost constant for any individual. The authors, whose selected patients numbered over 250, witnessed none of the severer complications reported by Anderson and Scott, but the more vasolabile subjects sometimes complained of dizziness, shivering feelings, palpitations, tremor, or anorexia. These symptoms were more frequent during the first hour after taking the drug, coinciding with the time taken for its full effect to develop. The speed of absorption seems to influence the occurrence of these reactions, so that it is inadvisable to give the tablets on an empty stomach. Other autonomic disturbances rather than the actual rise in blood pressure appeared mainly responsible for these symptoms, and sometimes they were precipitated or increased by physical effort and emotional upset.

Benzedrine produces a general psychological stimulation. Subjectively this is experienced as increased confidence, initiative, and ease in making decisions, sometimes combined with a feeling of restlessness. There is also a pronounced impulse to talk more than usual. The restlessness may be pleasant or unpleasant, depending on the degree to which it is accompanied by the somatic symptoms described above; in the absence of these a pleasant sensation is reported which often amounts to a real degree of euphoria. Objectively, it is the increased talkativeness and activity which most impress the outside observer. Thinking processes appear to be speeded up without impairing attention, concentration, or judgment, and the features of total personality make-up that seem to benefit most are retardation, indecision, mild depression, and hesitation.

When the dose is sufficient to cause physical or psychological changes, disturbances of sleep are rarely absent. There is difficulty in getting to sleep, and sometimes patients wake up during the night or too early in the morning. The effects of the drug often persist the following morning, so that the subject gets up feeling surprisingly fresh and active in spite of the comparative lack of sleep. No changes in the blood pressure have been found to remain the following day. In different subjects there is a wide variation in the response to benzedrine. It has been found almost impossible to correlate exactly an individual's response to the drug with his personality make-up. However, as a general rule it may be said that in the doses used benzedrine tends to exaggerate some of the innate characteristics of the personality besides producing the effects already described. Patients with little alteration in blood pressure may exhibit profound psychological stimulation, and vice versa. This experimental finding in individual cases was borne out by recording the blood pressures of forty-eight subjects during intelligence tests under benzedrine. It should be given before midday if sleeplessness is to be avoided; on the average the effect tends to remain at a maximum for about five hours and takes an hour or more to develop fully. The psychological stimulation is not always maintained on continuous daily administration. Some patients complain that it loses its euphorising effect after a few days, while the disagreeable features become more predominant. The possibility of addiction needs to be guarded against.

Experiments in the United States

In "The Journal of the American Medical Association" (108, 7, 528) Mr. H. Nathanson gives details of clinical experiments with benzedrine. Benzedrine sulphate was administered to forty patients who complained of exhaustion and to fifty-five members of a hospital staff "and laboratory technicians." The forty patients were given benzedrine sulphate in tablets containing 10 mgm. Most of the patients received a daily dose of 20 mgm., one tablet before breakfast and another before the noon meal. In patients in whom fatigue was most evident late in the day, a single dose of 10 or 20 mgm. was given about 11 a.m. The drug was used for periods varying from a week to three months. In approximately 80 per cent. of the patients there was a marked amelioration of fatigue. In four instances the state of exhaustion was associated with a low metabolic rate, and thyroid extract had been used with little effect. A sense of increased energy and capacity for work was noted in more than half of the cases. In addition, a feeling of exhilaration and sense of well-being was a consistent effect. This followed repeatedly after the ingestion of the drug. In a few patients there was a secondary depression following the initial stimulation. Many patients volunteered that there had been a definite increase in mental activity and efficiency. Another reaction was a tendency to loquaciousness.

The fifty-five volunteers were selected from eighty, the remainder of whom were given tablets of lactose. There was a great variation in the intensity of the reaction but in only eight instances was the response so minimal as to be considered questionable. The most frequent effect was a sense of well-being and a feeling of exhilaration, and this occurred in more than two-thirds of the subjects. Next in order of frequency was a lessened fatigue in 62 per cent., talkativeness in 56 per cent., and increased energy and capacity for work in 54.5 per cent. Most of the subjects who experienced these favourable reactions also noted some effects which were mildly unpleasant. There was no relationship between the favourable and the unpleasant effects. The unpleasant reactions were usually of a mild degree and rather transient. The most frequent were dryness of the mouth, sweating, lessened appetite, and a disturbance in sleep.

It is obviously of importance to consider the question of possible harmful effects, including the possibility of habituation and development of a tolerance. A wider and longer experience with the drug is necessary before this question can be definitely settled. The indications from several sources, however, are that the substance is without harm even on prolonged use. This evidence is derived from (1) pharmacological studies, (2) clinical observations on the closely related compound ephedrine, and (3) clinical studies with benzedrine, although the observations have as yet been comparatively limited. Pharmacological studies indicate that benzedrine is of remarkably low toxicity. A definite possibility of a harmful effect exists in that prolonged administration may result in an increased activity and energy expenditure beyond the capacity of some individuals. This is particularly likely, since the protective and retarding influence of fatigue is lost.

AMERICAN PHARMACEUTICAL ASSOCIATION.—The annual meeting of the American Pharmaceutical Association will be held in New York City during the week commencing August 16, 1937. The local secretary is Mr. Hugo H. Schaefer, and the Hotel Pennsylvania will be the Convention Headquarters.

POTASSIUM CHLORATE: A CAUTION.—Commenting on a monograph by A. P. Richardson, "The Journal of the American Medical Association" (108, 16) remarks that pharmacological and therapeutic considerations tend towards discrediting the use of potassium chlorate in mouth washes, gargles and dentifrices. It is stated that the Council on Dental Therapeutics (U.S.A.) will not accept for daily use any dentifrice which contains potassium chlorate. Richardson points out that prolonged use of products containing potassium chlorate might result in sufficient absorption of chlorate, particularly when aided by frictional devices, local lesions and other inflammatory states, to produce injurious effects on the blood, kidneys, liver and general health. This salt, Richardson therefore concludes, has no real place in the cosmetic armamentarium.

Citrus Derivatives in Sicily and Calabria

Reasons for the world popularity of the "Sicilian" lemon and bergamot oils and their by-products

By R. M. Gattefossé

THE perfumery and food industries account for a considerable consumption of essential oils of the citrus group; of orange and lemon juice; and of citric acid. This widespread demand has resulted in the multiplication of centres of cultivation in numerous countries: California, for example, French Guinea and finally Brazil have organised themselves for the extraction or manufacture of this group of products. Nevertheless, Sicily remains specialised in the production of lemons, and Calabria of bergamot, and no country has been able up to the present to wrest their supremacy from them.

Lemon Oil

How considerable is the quantity of lemons produced by Sicily is appreciated from the knowledge that the production of essential oils is greater than that of any other centre of production. One hundred kg. of fruits yields only 300 gm. of essential oil. The small fruits, or "throw-outs," are mostly used for the manufacture of the essence and the juice. In California, where the orchards already contain quantities of lemon trees, the costliness of hand labour has compelled the producers to use machines, which have been perfected but which nevertheless yield essences less esteemed than the Sicilian. The French, ten years ago, installed in Algeria machines capable of rasping the "zest" which, when reduced to a fine flour, gives by expression in a hydraulic press an essential oil mixed with water. This mixture, passed through the high speed separator, surrenders on the one hand a coloured essential oil and on the other a watery residue. By distilling the residue a colourless distilled volatile oil is obtained. In Italy, the old processes have been preserved almost intact. The lemons are first cut in two, and the pulp separated from the peel by means of a hemispherical spoon. The peels are distributed among practised men who, by means of a peculiar, characteristic gesture, express them upon a coarse sponge in such a way as to crush and empty the oil cells. A supervisor walking between the ranks of the workmen takes up from time to time one of the treated peels and holds it before the flame of a candle: not a drop of essential oil must give the sooty red flame characteristic of the combustion of hydrocarbons. This method of expression is fatiguing and cannot be carried out by women, so a machine has been invented, composed of a lever and a mobile platform, by the aid of which it is possible to express the peels upon a sponge. In two or three rapid lever strokes all the essential oil is obtained. In both cases the oil is called "sponge" oil and fetches the best prices in all markets. This quality evidently contains a quantity of superior aldehyde; in addition, it is comparatively little coloured, for the chromogen cells have not been opened during the manipulation and xanthophyll has not been dissolved out. Finally, the quantity of water mixed with this oil is insignificant. In consequence, the chemical action of the oxidases is reduced to a minimum and the aroma retains the freshness of the fruit itself. Chemists recognise the superiority of the "sponge" essential oil in that it generally contains more than 4 per cent. of citral, while tasters or samplers, whether for the perfume or aerated drinks industries, recognise that its aroma is incontestably the most delicate.

Orange and Lemon Juice

The preparation of concentrates or deterpenated essences once achieved a considerable importance in Sicily, but the directors of the corporation, realising that the residuary terpenes were quite often used to lower the quality and yield second grade products, have categorically prohibited deterpenation and, by consequence, dilution of pure essence with residuary terpenes. Manufacturers of aerated waters who prepare flavours by beating the natural essence with 70 per cent. alcohol are required to destroy the terpenes, which never enter into commerce.

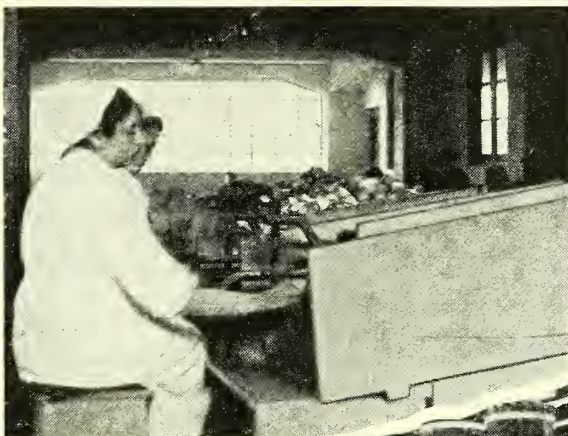
The juices of the orange and lemon are not obtained by ex-

traction but by means of channelled cones which rotate above an open stainless metal duct and upon which workers press the halved fruits. The juice is immediately drawn through a filter and rendered inalterable by machines with silver electrodes which eliminate the use of sulphur dioxide. Sweetened or not, the juices are immediately bottled and contain all the natural principles without addition of preservatives and without diminution of vitamin content. Juices expressed in the press are alone employed for the manufacture of citric acid; they ferment in large barrels and when all the alcohol has been produced, chalk is added to precipitate the citric acid. The separated and filtered citrates are ultimately decomposed, while the residuary alcoholic juices are distilled. From the "zest," pectin is obtained, to be used in the manufacture of food jellies and jam. The inferior qualities of pectin are used in industry. They have recently been introduced in soap-making, producing qualities of toilet soap much appreciated by the fair sex, who have known for a long time the softening action of the lemon on the skin. Finally, the confectionery trade is responsible for a large consumption of salted peels; fruits, cut and separated from their pulp, are ranged in order in large wooden barrels which contain several hundreds of kilograms. The barrel is filled with brine and the peels can then travel without risk of fermentation. Citrus fruits are the great natural wealth of Sicily: 90 per cent. of its exports are constituted by citrus fruits and their derivatives, and numerous scientific and organisational bodies watch over the welfare of the cultures, over the maintenance of export standards and over the honesty of transactions. Several years ago, a peculiar malady, "mal secco," ravaged the Sicilian orchards; thanks to the collaboration of various bodies a competition has recently been concluded which was instituted for the discovery of an effective remedy. Unfortunately, the remedy, if found, has certainly not yet been applied, for the writer has recently seen numerous orchards in a pitiable state. This disease, which attacks neither the Calabrian bergamot nor the orange or mandarin, seems to arise from two factors: harmful and untimely irrigation and the employment of badly studied fertilisers in such fashion that the tree dies from exhaustion.

Calabrian Bergamot

On the mainland, Calabria produces bergamot exclusively. From bergamot is extracted an essential oil which is the base of eau de Cologne, together with a juice which is transformed into citric acid. All the commerce in oil of bergamot is at the present time in the hands of a Consortium directed by the producers and exporters, whose purpose is to work for steadiness of business and prices. Thanks to their policy, local speculation has been avoided and the prices have not undergone the increase which has marked the recent course of lemon. All cultivators of bergamot producing the essential oil in their own factories are contracted to deliver it to the Consortium, which stores the product in barrels "by source" and not as a common bulk of all qualities, which procedure would have resulted in an inferior standard. Exporters can thus supply under their brands the same qualities as formerly, provided that they are absolutely pure for, of course, the Consortium does not permit any adulteration and the qualities are analysed by the experimental station, directed by Professor La Face. The writer was received by the director of the Consortium and permitted to visit the finest gardens in Calabria and to see in detail the functioning of the organisation. Sicily and Calabria are mountainous and volcanic regions on whose shores and certain sheltered valleys alone are cultivated the fruit trees. Torrential watercourses descend from the mountains, effecting a precarious irrigation which has had to be artificially controlled at great expense. Now, thanks to the efforts of the corporations, mutual plans of betterment have been applied with a perseverance and science which demands admiration.

Citrus Fruits Industry in
SICILY and CALABRIA,
Italy



Above, left, Hand expression of essential oil into sponges by men ; right, Expression of "sponge" essential oil by women using lever presses.



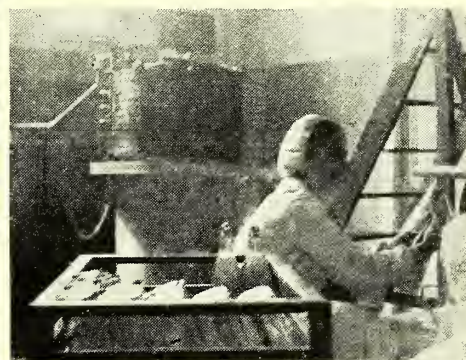
Separation of peel from pulp.



Above, Packing the peels into barrels.



Barrels for fermentation of juice in citric acid manufacture.



Filtering and bottling lemon juice.



Right, Gathering orange flowers.

Class C Houses and Recontrol

By a Barrister

CAN a Class C house be recontrolled? This was a question which has lately been agitating a large number of property owners, but their fears may now be regarded as having been set at rest by a decision recently given by the Court of Appeal in *Brooks v. Brimecombe*. The Rent Acts, it will be observed, will apply equally to premises consisting partly of shop and partly of dwelling-house as they do to a dwelling-house pure and simple. Thus, for example, there may be a chemist's shop on the ground-floor while the upper part may consist of living rooms occupied by the chemist or let or sublet to tenants. The fact that part of the premises is used for business purposes does not prevent the whole of the house from being controlled.

The 1933 Rent Act clarified the position of dwelling-houses, and a Class C house is a house which had a rateable value in April 1931 not exceeding £20 in London, £26 5s. in Scotland, and £13 elsewhere. It is this class of property which is particularly affected by the above decision. The policy of the 1933 Rent Act was to introduce gradual decontrol by easy stages; but on the other hand, with regard to smaller houses the policy was to tighten up and check decontrol. Decontrol was first introduced by the 1923 Rent Act, and that Act was the first to afford the owner of controlled property from freeing it from the shackles and restrictions of the Rent Acts. This he could do either by obtaining actual possession of the premises himself, or by granting a fresh tenancy to the sitting tenant for a minimum period of time.

At the time of the passing of the Rent Act of 1933, on July 18, 1933, a large number of properties, including houses coming within the Class C category, had become decontrolled. Some measure of recontrol, however, was introduced with regard to Class C houses, even though they had already become decontrolled. The Act of 1933 required, by Sec. 2 (2), in the case of Class C houses let as a separate dwelling immediately before July 18, 1933, which were decontrolled, that the fact of decontrol should be registered with the appropriate local authority within three months. Failure to effect such registration was to have the result of rendering the house recontrolled unless and until such time as late registration of the decontrol, if allowed, was effected. In that event the house would regain its status of a decontrolled house as from the date of the application for registration. But in the intervening period, or from July 18, 1933, till the date of the application for late registration, whenever the same was made, the house would be treated, for all Rent Act purposes (rent or increase of rent and the like), as a controlled house.

Registration of Decontrol

It will have been observed that the 1933 Act, where it requires registration of decontrol (i.e. in Sec. 2 (2)), refers to a house which was let as a separate dwelling-house on July 17, 1933. The question that arose in *Brooks v. Brimecombe* was in connexion with the position of a previously decontrolled Class C house which was not let at all on July 17, 1933, but was in the possession and/or occupation of the owner. The argument was put forward in that case that inasmuch as Sec. 2 of the 1933 Act provided (in subsec. (1)) that the decontrol provision of Sec. 2 of the 1923 Act were not to apply to a Class C house, except in the circumstances specified in Sec. 2 (2) of the 1933 Act, all Class C houses, even though they were already decontrolled on the passing of the 1933 Act, other than decontrolled Class C houses which were let on July 17, 1933, and in respect of which registration of the decontrol had already been effected, were brought into the net of control again.

A decontrolled house, accordingly, which was occupied by its owner or which was unlet on July 17, 1933, it was said, became automatically recontrolled on the passing of the 1933 Act, and could not under any circumstances shake off its encumbrance of control at any time prior to the final expiry of and control of the Rent Acts, whenever that might happen. Property owners should be relieved to know that such a startling proposition, which at any rate did find favour with a learned county court judge, has now been unanimously

rejected by the Court of Appeal in the case mentioned. The whole idea of recontrol is repugnant to the spirit (and, indeed, to the letter) of the 1933 Rent Act. The only instance in which recontrol can operate is where the owner of a decontrolled Class C house has neglected his duty cast upon him of having the decontrol duly registered. He is put under a penalty as it were for his neglect. But once the omission is repaired, and registration is ultimately effected—though it should be observed that undue dilatoriness on the part of the applicant for registration may result in registration being completely refused—the property will once again acquire its status of decontrol.

Let us conclude with a brief *résumé* of the facts in *Brooks v. Brimecombe*. The house there was a Class C house which had become decontrolled under the 1923 Rent Act. At and immediately upon the passing of the 1933 Rent Act on July 18, 1933, the appellant was the owner in occupation of the house, having bought it with vacant possession in 1932. In December 1935, the appellant vacated the house, and on June 6, 1936, he let it to the respondent at a rent of 14s. 9d. per week. The tenant subsequently, after entering into occupation, applied to the Court to have his rent fixed, alleging that the house was a controlled house by virtue of Sec. 2 (1) of the 1933 Rent Act. The Court of Appeal, however, held that the property was not controlled, and that for two reasons, viz.:—(a) that the provisions as to recontrol in Sec. 2 (1) of the 1933 Act were not retrospective, and (b) that at any rate the position as to recontrol in Sec. 2 (2) only applied to premises which were let as a separate dwelling on July 17, 1933.

On Our Bookshelves

Irony

is a gift not too common among those who practise the literary use of English: to find it in a book of miscellaneous reflections is correspondingly agreeable. We have been reading in a leisurely way the "Physics and Fancy" (Hutchinson & Co.) of Mr. Christopher Howard, a medical man who has already put forth three other volumes. The author holds, it is evident, strong opinions on more than one subject; but he seldom lets them nullify his urbanity. Classics are not his strong suit, and there are a few misprints: these blemishes, however, are not serious in a volume consisting of short paragraphs suited to occasional perusal. Most of the headings are apt, and some are pungent—for instance, "On hoping that humorous advertisements are profitable," and "On a national weakness: being faithful—in our own fashion."

English Classics

are often taken for granted, with the result that people who have read sparingly in this field are not disposed to extend their acquaintance with books that have stood the test of time. One of the cases that a chance inquiry recently brought to mind is that of Mrs. Gaskell's "Wives and Daughters," published in 1866. In the fourth and fifth chapters there are many characteristic touches in the handling of Mr. Gibson, a surgeon. He obtains his medicines from Corbyn's, for example; and when he discovers that Edward Coxe, one of his apprentices, has fallen in love with his daughter, he writes, signs and addresses to the young man the following prescription:—

Verecundiæ	...	...	...	...	3i.
Fidelitatis domesticæ	...	...	...	...	3i.
Reticentiæ	...	...	...	...	gr. iij.

M. Capiat hanc dosim ter die in aqua pura.

The conversation which follows the receipt of this document is delightfully carried through, and incidentally suggests that the surgeon's apprentice of that day had no difficulty in reading Latin.

Trade Report

Where possible scales of prices of chemicals are given for bulk down to small quantities. Prices recorded for crude drugs, essential and fixed oils and coal tar products are for fair sized wholesale quantities. Qualities of chemicals, drugs, essential and fixed oils, etc., vary, and selected brands or grades would be at higher values

28 Essex Street, W.C.2, May 27

BUSINESS HAS BEEN NO MORE than the average of the recent quiet period, while values are being steadily maintained. There is certainly no general weakness in the markets, yet consumers are not placing orders with the confidence of two or three months ago. Speculative business continues to be quite negligible. In the PHARMACEUTICAL CHEMICALS markets conditions continue steady, with routine business being done. MERCURIALS are firm; apparently makers' prices are not going to be increased yet awhile, despite the recent big advance in metal. BISMUTH SALTS tend firmer, although no movement in values is indicated. SANTONIN is certainly a better market than it was a few weeks ago.

Crude Drugs

Trade in these products continues on modest lines, with sales mostly confined to moderate quantities. The general tone is fully steady, with the shipment markets supporting spot quotations. There has been a good deal of market business in AGAR, with merchants readily buying any cheap lots. CAPE ALOES are firm for shipment. The Cape continues to quote at full prices for new crop BUCHU. Quotations for shipment of new crop CASCARA SAGRADA have weakened under pressure to sell, but the source reports a good recovery is expected. Finmarken fishing is drawing to a close, and the results to date support the firmer tone in the Bergen market for CODLIVER OIL. Fair sales of Spanish/Portuguese ERGOT on spot; no shipment offers during the past week. Sudan GUM ACACIA has been quiet; quoted cheaper. Japanese MENTHOL is keeping about steady, but business is still of little importance. No further movement in MERCURY. Rough round RHUBARB is slightly dearer for shipment. RUBBER shows a slight loss on the week. SENEGA is held at recent advances; limited spot sales reported. Inquiry for TRAGACANTH has been quiet. BEES' WAXES are quoted rather cheaper.

Essential Oils

Although the sale of these products has shown no material improvement, inquiry and general interest seems to have been better. A number of products have recovered from their recent weak tone. The source reports BERGAMOT is again dearer for shipment; business negligible, with spot offering at keen prices. Good quality CASSIA is steadier and in limited supply on spot. Ceylon CINNAMON LEAF shows a good recovery in the shipment market. Both Ceylon and Java CITRONELLA are firmer on quotation, but business in any volume has not been recorded. Following a period of weakening shipment quotations Madagascar CLOVE is much steadier, with prices recovering from the lowest of about 2s. 8d. The source makes Sicilian hand-pressed LEMON firm at the advance; business is still not up to seasonal expectation. LEMONGRASS is quoted dearer for shipment and there has been more inquiry on the market. French Guinea ORANGE has sold quietly on spot; limited shipment offers. Algerian GERANIUM, according to reports from the source, is an exceedingly small crop, and shipment quotations are much dearer for good quality oil. Mexican LINALOE (wood oil) is being quoted for shipment. Seychelles PATCHOULI, to arrive, is being offered. Spot supplies of PALMAROSA seem to be very short; shipment offers at reasonable prices. Japanese PEPPERMINT has remained in quiet demand, but values are keeping quite steady. PETITGRAIN is quoted slightly dearer, spot and forward.

Exchange Rates on London

The following is a list of the chief Continental and other exchange rates at the opening on Thursday morning:—

Centre	Quoted	Par	May 20	May 27
Amsterdam ...	Fls. to £	12.107	8.99	8.99
Berlin ...	Mks. to £	20.43	12.29	12.30
Brussels ...	Belgas to £	nominal	29.32	29.30
Copenhagen ...	Kr. to £	18.159	22.40	22.40
Lisbon ...	Esc. to £	110	109½	109½
Madrid ...	Ptas. to £	25.22½	nominal	nominal
Milan ...	Lire to £	92.46	93½	93½
Montreal ...	Dol. to £	4.86½	4.93½	4.93½
New York ...	Dol. to £	nominal	4.94½	4.94½
Oslo ...	Kr. to £	18.159	19.90	19.90
Paris ...	Fr. to £	124.21	110½	110½
Prague ...	Kr. to £	164.25	141½	141½
Stockholm ...	Kr. to £	18.150	19.40	19.40
Warsaw ...	Zloty to £	43.38	26½	26½
Zurich ...	Fr. to £	25.2115	21.62	21.60

Bank rate 2 per cent.

Pharmaceutical Chemicals, etc.

RATHER more inquiry being received, with the markets generally steady. Mercurials and bismuth salts are fully steady.

ACETANILIDE.—Small business with spot values keeping steady in the region of 1s. 7d. and up to 1s. 10½d. per lb. for small parcels.

ASPIRIN (TABLETS).—The following are agreed wholesale prices for the British makers: Under 5,000 3s. per 1,000; 5,000, 2s. 11d.; 10,000, 2s. 10d.; 25,000 2s. 9d.; 50,000, 2s. 8d.; 75,000, 2s. 7d.; 100,000, 2s. 6d.; 250,000, 2s. 5d.; 500,000, 2s. 4d.; 1,000,000, 2s. 3d.; 2,000,000 and over, 2s. 2d. per thousand tablets. A rebate of 1d. per 1,000 is allowed on orders for 10 million tablets taken over a period of 12 months. For small quantities higher prices would be asked by wholesale distributors.

BARBITONE.—Remains dull and competitive: spot, one cwt., 15s. 3½d.; 56 lb., 15s. 8d.; small parcels, up to 16s. 3d. per lb.

BENZOIC ACID (B.P.).—Limited business, market steady; quantities, ex works, 1s. 9½d.; spot parcels, 1s. 10d. to 2s. 3d. per lb., ex store, as to quantity.

BISMUTH SALTS.—Makers' scales of prices tend to be firmer. Carbonate, not less than one cwt., 6s. 6d.; 28 lb., 6s. 9d.; 8 lb., 7s. 3d.; 4 lb., 8s.; less than 4 lb., 8s. 6d. per lb.

BROMIDES.—Makers' scales of prices steady. POTASSIUM, B.P., five cwt., 1s. 8d.; one cwt., 1s. 9d.; 28 lb., 2s. per lb. SODIUM, B.P., five cwt., 1s. 10d.; one cwt., 1s. 11d.; 28 lb., 2s. 2d. per lb. AMMONIUM, B.P., five cwt., 1s. 11d.; one cwt., 2s.; 28 lb., 2s. 3d. per lb., net. Resale clause applies. 28-lb. parcels and one cwt. cases free. Export quotations are maintained, as follows: POTASSIUM, B.P., five cwt., 1s. 4d.; one cwt., 1s. 4½d. SODIUM, B.P., five cwt., 1s. 5d.; one cwt., 1s. 5½d. AMMONIUM, B.P., five cwt., 1s. 6½d.; one cwt., 1s. 7d. per lb., f.o.b.

CITRIC ACID (B.P. CRYSTALS).—Market is fully steady and a good business is reported: British material quoted at 1s. per lb., less 5 per cent. discount, nominal and without engagement. Dealers' prices for imported material are competitive.

CREAM OF TARTAR.—Seasonal business, with values quoted unchanged: British material, 99 to 100 per cent., 87s. per cwt., less 2½ per cent. discount. Dealers' prices for foreign material competitive.

GLYCERIN (B.P.).—Makers' prices for home consumption are firm and supplies are restricted; one ton, in 10-cwt. drums, 10s. 6d. per cwt., drums extra.

GLYCEROPHOSPHATES.—Makers' prices are steady. Acid Calcium (soluble), 28 lb., 4s. 6d.; 7 lb., 5s. Calcium, neutral, B.P.C., 28 lb., 4s. 6d.; 7 lb., 5s. Potassium, 75 per cent., 28 lb., 4s. 6d.; 7 lb., 5s. Sodium, 75 per cent., 28 lb., 2s. 9d.; 7 lb., 3s. 3d. per lb.; 28-lb. tins free, other packings extra.

GUAIACOL CARBONATE.—Inquiry is small, with prices quoted in the region of 9s. per lb., ex store.

IODIDES.—Makers' scales of prices for these salts continue at the advance recorded last week. The new scales are as follows: POTASSIUM, B.P.—1 cwt., 4s. 6d.; 28 lb., 4s. 8d.; 14 lb., 4s. 10d.; 7 lb., 5s. 4d.; 4 lb., 5s. 10d.; smaller quantities, 6s. 6d. per lb. SODIUM, B.P.—28 lb., 5s. 9d.; 14 lb., 5s. 11d.; 7 lb., 6s. 5d.; 4 lb., 7s. 1d.; smaller quantities, 8s. 1d. per lb. IODINE, B.P., RESUBLIMED.—1 cwt., 5s. 4d.; 28 lb., 5s. 6d.; 14 lb., 5s. 8d.; 7 lb., 6s. 2d.; 4 lb., 6s. 10d.; smaller quantities, 7s. 9d. per lb. IODOFORM, B.P., CRYST., PRECIP. OR POWDER.—28 lb., 8s.; 14 lb., 8s. 2d.; 7 lb., 8s. 10d.; 4 lb., 9s. 8d.; smaller quantities, 10s. 8d. per lb. Contracts for one cwt. and upwards (assorted if required) with fall clause, for delivery as required during four months. 28-lb. tins and one-cwt. cases free. All jars and bottles charged, but credited if returned carriage paid, in good condition, within three months. Assorted quantities are charged at the collective total prices. It is a condition of sale that buyers undertake not to resell any quantity of the above products at prices or terms below the scale for any such quantity current at the time the resale is made.

MAGNESIUM CARBONATE B.P. (HEAVY).—Makers' scales of prices continue at the recent advance. Contracts: five cwt., 65s. per cwt., less rebate 2s.; ten cwt., 65s., less rebate 3s.; one ton, 63s., less rebate 2s.; five tons, 63s. per cwt., less rebate 3s. per cwt. No fall clause. Resale clause applies. Distributors' prices for small parcels: 14 lb., 9½d.; 28 lb., 8½d. per lb.; 28-lb. parcels free packing.

MERCURIALS.—Makers' scales of prices for these salts are fully steady. It is believed that, despite the recent sharp increase in the price of the metal, sales prices for the salts are, for the time being, to continue unchanged. CHLORIDE, B.P. (CALOMEL).—One cwt., 5s. 11d.; less than one cwt., from 6s. per lb.

METHYL SALICYLATE.—Market dull, makers' prices continue unchanged: spot, ten cwt., 1s. 1½d.; five cwt., 1s. 2d.; one cwt., 1s. 2½d.; less than one cwt., 1s. 2½d.; small quantities, in bottles, up to 2s. per lb.

PHENACETIN.—Values unchanged, fair inquiry: crystals or powder, bulk quantities, 2s. 6d.; smaller parcels, 2s. 7d. to 3s. per lb., as to quantity.

PHENAZONE.—Dealers' prices are keeping well up as quoted from about 6s. 4½d. to 6s. 9d. per lb., as to quantity.

PHENOLPHTHALEIN.—A small business, quoted prices about steady: two cwt., 2s. 9d.; one cwt., 2s. 10d.; 28 lb., 3s.; 14 lb., 3s. 1d.; 7 lb., 3s. 2d.; smaller parcels, up to 3s. 6d. per lb.

PHOTOGRAPHIC CHEMICALS.—**AMIDOL.**—28 lb., 7s. 6d.; 14 lb., 8s. 3d.; 7 lb., 9s.; under 7 lb., 11s. 9d. per lb., in 1-lb. bottles. **CHLORQUINOL.**—1-lb. bottles, 21s. per lb. **GLYCIN.**—7 lb., 10s. 6d.; 1-lb. bottles, 13s. 6d. per lb. **HYDROQUINONE.**—56 lb., 4s. 10½d.; 28 lb., 5s.; 14 lb., 5s. 3d.; 7 lb., 5s. 6d.; 1-lb. bottles, 6s. 6d. per lb. **METOL.**—28 lb., 9s. 6d.; 14 lb., 9s. 9d.; 7 lb., 10s. 9d.; 3 lb., 11s. 6d.; 1-lb. bottles, 12s. 6d. per lb. **ALUM (PHOTOGRAPHIC QUALITY).**—1 cwt., 21s. per cwt., 28 lb. for 6s. **GOLD CHLORIDE.**—15-grain tubes, 45s. per doz. **MAGNESIUM POWDER.**—10s. per lb. **PARAMIDOPHENOL HYDROCHLOR.**—8s. 6d. per lb. **POTASSIUM FERRICYANIDE.**—14 lb., 2s. 2d.; 7 lb., 2s. 4d.; 1 lb., 2s. 6d. per lb. **POTASSIUM METABISULPHITE.**—One cwt., 7½d.; 28 lb., 8d.; 14 lb., 9d.; 7 lb., 11d.; 1 lb., 1s. per lb. **PYROGALLIC ACID, CRYST.**—28 lb., 6s. 9d.; 14 lb., 7s. 6d.; 7 lb., 8s. 3d.; under 7 lb., 8s. 9d. per lb. **SODIUM CARBONATE (RECRYST.)**—5 cwt., 12s. 6d. per cwt.; 1 cwt., 15s. 6d. per cwt.; 56 lb. for 11s. 6d.; 28 lb. for 6s. **SODIUM HYPOSULPHITE, TUBES, CRYST.**—5 cwt., 16s. 3d.; 1 cwt., 18s. 6d. per cwt.; 56 lb. for 11s.; 28 lb. for 6s. **SODIUM SULPHIDE (PURE).**—7 lb., 1s. 3d.; 1 lb., 1s. 6d. per lb. **SODIUM SULPHITE, RECRYST.**—One cwt., 20s. per cwt.; 56 lb. for 13s. 6d.; 28 lb. for 7s.

POTASSIUM PERMANGANATE (B.P.).—Average spot business, market steady: bulk quantities, in drums, 9d. to 10d.; druggists' parcels, 10d. to 1s. per lb., as to quantity.

QUININE SALTS.—Convention prices continue unchanged: sulphate, 2s. 2d.; bisulphate, 2s. 2d.; ethyl carbonate, 2s. 9½d.; salicylate, 2s. 10½d.; hydrochloride, 2s. 8½d.; bihydrochloride, 3s.; hydrobromide, 2s. 8½d.; bihydrobromide, 3s.; valerianate, 3s. 8d.; hypophosphite, 4s.; alkaloids, 3s. 10½d. per oz., carriage paid on bulk quantities; 100-oz. tins free, smaller packages extra.

SACCHARIN.—The Convention price for 550 is 37s. 6d. per lb., duty paid, with rebates for quantities.

SALOL.—Dealers' spot quotations for crystals continue keen in the region of 2s. 7d. to 3s. per lb., as to quantity.

SALICYLIC ACID (B.P.).—Market remains dull: five cwt., 1s. 7d.; one cwt., 1s. 7½d.; 28 lb., 1s. 8d.; 14 lb., 1s. 9d.; 7 lb., 1s. 10d.; 4 lb., 2s. per lb.

SANTONIN.—Rather more inquiry and business in limited quantities is reported. Quotations are now in the region of £9 10s. to £10 per kilo., as to quantity.

SODIUM BENZOATE (B.P.).—Quiet demand, quotations keen: bulk quantities, 1s. 6d.; one cwt., 1s. 7d.; smaller parcels, 1s. 7½d. up to 2s. per lb., as to quantity.

TARTARIC ACID (B.P. CRYSTALS).—Steady demand: British makers quote at 1s. 1½d. per lb. less 5 per cent. discount. Dealers offering foreign materials at competitive prices.

Crude Drugs, etc.

A REPORT of the drug auction is given on p. 634.

AGAR.—A small consuming demand, and merchants have been seeking parcels at bargain prices, with 5-10 bale lots of Kobe 1 changing hands at 3s. 11d., with 4s. now wanted: spot, Kobe No. 1, 4s.; No. 2, 3s. 8d.; Yokohama No. 1, 3s. 8d. per lb.; shipment, June-July, Kobe No. 1, 3s. 8½d.; No. 2, 3s. 4d.; Yokohama No. 1, 3s. 4d. per lb., c.i.f. Fair amount of business in Kobe No. 1 at 3s. 6d., c.i.f., in boat due here next week.

ALOES.—Market generally quiet. Cape sparingly offered and fully steady: Cape, spot, 62s. 6d. in boxes; shipment, 61s. 6d. to 63s. per cwt., c.i.f., as to quality. Caracão, spot, 90s. to 110s., as to quality; shipment, 90s. to 92s. 6d. per cwt., c.i.f.

ANTIMONY.—Chinese crude is quoted, spot, £41; shipment, June-July, £36 10s., c.i.f. English regulus cheaper at £82 10s. to £83 10s. spot.

BELLADONNA.—Dealers doing a small parcel business: leaves, 55s. to 60s.; root, 50s. per cwt., spot.

BUCHU.—The shipment quotation is being well maintained at 2s. per lb., c.i.f., for new crop.

CAMPHOR.—Values very steady, average spot business: Japanese manufacturing BB grade is steady at the recent advance at £8 10s. per 100 lb. Japanese, spot, tablets, 2s. 7½d.; powder, 2s. 3½d.; slabs, 2s. 3d. per lb., ex store; shipment, tablets, 2s. 3½d.; powder, 2s. 1½d.; slabs, 2s. 0½d. per lb., c.i.f. English refined flowers: one cwt., 3s. 1d.; 28 lb., 3s. 2d.; small lots, 3s. 3d. per lb. Transparent tablets, 4 oz., 8 oz. and 16 oz., 3s. 4d.; 1 oz. and 2 oz., 3s. 5d.; ½ oz., ½ oz. and ¼ oz., 3s. 6d. per lb.

CASCARA SAGRADA.—There has been some pressure to sell at the coast, resulting in new crop easing down to about 55s. per cwt., c.i.f., but business has been of small account so far. Reports state peelers brought in considerable quantities of bark, for which they were paid high rates. Now the price for collection reduced, which is likely to reduce the quantity gathered. It is added that rains have recently interfered with peeling, and the tendency is for the market to recover in due course.

CLOVES.—Market is about steady, business quiet: Zanzibar, spot, 10½d.; shipment, June-July, 10d. per lb., c.i.f. Madagascar, in bond, 8½d.; shipment, June-July, 8½d. per lb., c.i.f.

The landings of Zanzibar in London during the week ended May 22 were nil, and the deliveries 100, leaving a stock of 3,926. From January 1 to date the landings of Zanzibar have been 4,129 and the deliveries 1,882. Landings of Madagascar for the week ended May 22 were nil, and the deliveries 45, leaving a stock of 4,715. From January 1 to date the landings of Madagascar have been 4,697 and the deliveries 1,315 packages.

COCONUT (DESICCATED).—Market is steadier with a little more inquiry: spot, fine, 23s.; medium, 22s. per cwt.; shipment, halves, June, 22s. 3d. per cwt., c.i.f.

COD-LIVER OIL.—Bergen reports Finmarken fishing is drawing to a close. Results to May 22: 150,778 tons of cod and 74,107 hectol. of oil, compared with 127,124 tons of cod and 60,668 hectol. of oil on the same date last year, and 109,405 tons of cod and 64,240 hectol. of oil in 1935. Shipment market continues fully steady. Finest Lofoten steam refined, non-freezing medicinal oil, 98s. to 100s. per barrel, c.i.f. London. Small lots, on spot, about 127s. 6d. per barrel, ex store, duty paid. British finest medicinal oil is quoted at 110s. per barrel, delivered U.K., with rebates for 25, 50 or more barrels.

COLOCYNTH.—Several parcels of new crop pulp now available, with duty paid prices ranging from 2s. to 2s. 3d. per lb.

DERRIS ROOT.—There has been more inquiry for good bulk quantities this week, but so far actual business has not materialised.

ERGOT.—Practically no shipment offers of Spanish/Portuguese during the past week; last price indicated was 5s. 6d., c.i.f. Moderate sales on spot, and supplies are now very modest and held for 6s. to 6s. 3d. per lb. Small lots of Polish offering at 5s. 9d. per lb.

GINGER.—West African remains rather quiet, with spot quoted at 64s. and shipment, to arrive, at 56s. per cwt. Jamaican, spot, bold, in barrels, about 87s. 6d.; small grinding, about 62s. 6d. per cwt.

GUM ACACIA.—Market has remained rather dull, and is fairly steady as now quoted. Kordofan cleaned sorts, spot, 60s. to 62s. 6d.; shipment, May-June, 58s. 6d.; and June-July, 59s. 6d. per cwt., c.i.f. Arrivals of gum at the source are decreasing sharply, with the daily quantity less than half normal.

HYDRASTIS.—Market steady, small business. Spot, 13s. 7½d. to 14s.; shipment, 14s. per lb., c.i.f., for U.S.P. quality.

IPECACUANHA.—Market continues steady. Matto Grosso, B.P., 6s. 9d. to 6s. 10½d. per lb., ex store.

IRISH MOSS.—Some supplies of good bleached are offering at 60s. per cwt., ex store.

LOBELIA HERB.—Inquiry for spot stocks remains poor; quoted at about 6½d. per lb., ex store.

LYCOPodium.—The spot value is fully steady as quoted up to 5s. 3d. per lb., ex store.

MANNA.—Spot supplies of finest selected flake, in 1-lb. tins, offering at about 3s. 9d. per lb., ex store.

MENTHOL.—Business has been of little importance, market steady. K/S brands, 12s. 10½d. to 13s. In bond, 11s. 6d. to 11s. 7½d. Japanese shippers quote June-July at 11s. 6d., c.i.f., with a bid of 11s. 3d., c.i.f., reported refused.

MERCURY.—First-handers report the position is unchanged with market quiet. Quoted at 75 dollars per bottle, f.o.b., Continent; £15 2s., c.i.f., London; spot, in small lots, £15 12s. to £15 12s. 6d. per bottle, ex store.

OPIMUM.—Usual amount of small business. Turkish, original cases of 170 lb., 12½-13 per cent., 1s. 2d. Persian, 12 per cent., 1s. 1½d. per unit, landed, and duty paid.

PEPPER.—Business slow, with quotations fractionally easier Lampong, in bond, 3½d.; shipment, August-October, 2½d.; October-December, 2½d., c.i.f. Tellicherry, spot, 4½d. Aleppy, spot, 4½d. White Muntok, in bond, 6d.; shipment, August-October, 4½d., c.i.f.

PIMENTO.—Spot quoted unchanged; slightly easier forward: spot, 7½d. per lb.; shipment, June, 59s.; July-August, 58s. per cwt., c.i.f.

RHUBARB.—Rough round is quoted slightly dearer for shipment, with ordinary quality at 1s. 6½d., and all pickings from 1s. 7d. per lb., c.i.f.

RUBBER.—Values slightly easier on the week, business rather slow. Standard ribbed smoked sheet, spot, 10½d.; June, 10½d.; July, 10½d.; July-September, 10½d.; October-December, 10½d.; January-March, 1938, 10½d. per lb.

SAFFRON.—Small spot business with good quality Valencia at 62s. 6d. to 65s. per lb., as to quantity.

SEEDS.—**ANISE.**—Bulgarian, 40s., spot, duty paid. **CANARY.**—Market quiet and unchanged. Mazagan, 29s.; Turkish, 26s. 6d.;

Plate, 25s. 6d.; Spanish, 35s. to 45s., all spot, duty paid. CARAWAY.—Dutch, 37s. 6d., spot, duty paid; 31s. 6d., f.o.b., Holland. CORIANDER.—Morocco quiet, sellers offering at 16s. 6d., duty paid, and 15s. 6d., in bond. CUMIN.—No Malta to be had for shipment or on spot. Morocco on spot is firm at 40s., duty paid. For shipment, 38s. 6d., c.i.f., quoted. FENUGREEK.—Morocco, spot, 14s. 6d., duty paid; 13s. 6d., in bond. MUSTARD.—English, 21s. 6d. to 32s. per cwt., according to quality.

SENEGAL.—Recent better values are fully maintained. Spot, 2s. 8d.; shipment, 2s. 7d. per lb., c.i.f.

SHELLAC.—Values are about unchanged on the week, market quiet. Standard ribbed smoked sheet, spot, 49s. to 54s.; fine orange, 65s. to 115s.; pure button, 62s. 6d. to 65s. per cwt. For delivery, TN, August, 49s. 6d.; October, 50s. 6d. For arrival, TN, June-July, 45s. per cwt., c.i.f.

TRAGACANTH.—Market is keeping steady, business rather quiet. Druggists' fine white ribbon is offering at £72 10s. to £74 per cwt., ex store.

WAX.—BEES.—Market is steady as quoted, business quiet. Calcutta, bleached, spot, 150s.; shipment, June-July, 147s. 6d.; ordinary quality, spot, 132s. 6d.; shipment, 125s., c.i.f. Abyssinian, 130s., in bond; shipment, May-June, 126s., c.i.f. Benguella, spot, 140s.; shipment, 127s., c.i.f.; Conakry spot, none offering; shipment, 126s., c.i.f. Dar-es-Salaam, spot, 140s.; shipment, 134s. per cwt., c.i.f. CARNAUBA.—Remains in quiet demand with values fairly steady. Fatty grey, spot, 175s.; shipment, afloat, 167s. 6d., c.i.f.; June-July, 166s., c.i.f. Chalky grey, spot, 167s. 6d.; shipment, June-July, 163s. 6d., c.i.f. Primeira, spot, good quality, 220s.; f.a.q., 215s.; shipment, June-July, 210s., c.i.f. Mediana, spot, 210s.; shipment, 205s., c.i.f.

Essential Oils, etc.

ALTHOUGH the markets have, in most cases, remained rather quiet, values are fully steady and some recoveries from recent weakness are recorded. Sicilian hand-pressed lemon is again firmer at the source.

ALMOND.—Values unchanged, business quiet: English made, cwt. lots, 3s. 5d.; smaller parcels, up to 3s. 7d. per lb.; foreign, cwt. lots, 3s. 4½d.; smaller parcels, 3s. 8d. per lb. French, bitter, 6s. to 6s. 6d. per lb., as to quantity.

ANISE (STAR).—Spot demand quiet, rather competitive: spot, leads, 3s. 3d.; tins, 3s. 2d.; drums, 2s. 11d. per lb., ex store; shipment, June-July, tins, 2s. 10d.; drums, 2s. 8½d. per lb., c.i.f.

BAY.—Limited spot business: 49 to 50 per cent., 4s. 7½d. to 4s. 9d.; 59 to 60 per cent., 4s. 9d. to 5s. per lb., as to quantity.

BERGAMOT.—The latest news from the source is to the effect that the official Consortium price has been advanced to 14s. 9d., c.i.f., and that the market is much steadier, although business is still rather quiet. A fair shipment business is said to have been done prior to this further recovery. On spot there are sellers from 14s. up to 14s. 9d. per lb., and old oil may be even less.

BOIS DE ROSE.—Spot supplies of Brazilian oil are held for 6s. 3d. for drums and up to 6s. 6d. for smaller lots. No shipment offers.

CAJUPUT.—Business is restricted to small spot orders: B.P., 2s. 1½d. to 2s. 3d. per lb., as to quantity.

CANANGA.—Market is reported to be quiet and irregular on quotation: spot, 6s. 3d. to 6s. 6d.; shipment, 6s. to 6s. 1½d. per lb., c.i.f.

CARAWAY.—Very little interest in this item: Dutch rectified, 8s.; crude, 7s. 7d. per lb., landed and duty paid.

CASSIA.—The shipment market is quiet: leads, 2s. 11d.; drums, 2s. 8d., c.i.f.; spot, good quality oil, drums, 3s. 1d. per lb.

CEDAR LEAF.—Occasional small spot orders, with quotations at 4s. 9d. to 5s. per lb.

CEDARWOOD.—Market is about steady, limited business: African, in drums, 1s.; smaller packages, up to 1s. 3d. per lb. American in drums, 1s. 1d.; smaller packages, up to 1s. 4d. per lb.; shipment, 1s. per lb., c.i.f.

CINNAMON LEAF.—The shipment market for Ceylon oil shows some recovery and is steadier at 3s. 1½d. per lb., c.i.f., in drums. Re-packed oil on spot, 3s. 9d. per lb. for tins in cases.

CITRONELLA.—The Java oil is reported to be steadier at the slightly better figure for shipment. Ceylon oil appears to be short on spot and sparingly offered for shipment. Ceylon, spot, drums, 1s. 10d.; smaller parcels, up to 2s.; shipment, drums, 1s. 8½d. per lb., c.i.f. Java, spot, drums, 2s.; smaller parcels, up to 2s. 4d.; shipment, drums, 1s. 9½d. per lb., c.i.f.

CLOVE.—Following further reductions the shipment quotation for Madagascar oil is reported better and much steadier. Fair business recorded at recent low values. Madagascar, spot, drums, nominal; smaller packings, up to 4s. 10d. per lb.; shipment, 2s. 10d. per lb., c.i.f. Zanzibar stem oil, 3s. 6d., c.i.f., in drums. English distilled oil, 6s. in cwt. lots and up to 6s. 3d. for small parcels.

EUCALYPTUS.—Market continues fully steady, with the forward position strong. Only July-August quoted for 80 to 85 per cent. oil: Australian, 70 to 75 per cent., 1s. 7½d., in tins, and 1s. 7½d., in drums; 80 to 85 per cent., if available, 1s. 8½d., in drums, per lb., landed; higher prices for small lots.

GERANIUM.—Advice from the source states Algerian is much firmer, with carry-over and new crop extremely small. Bourbon, spot, 18s. to 19s. 6d.; shipment, 16s. 9d., c.i.f. Algerian, spot, 17s. to 19s.; shipment, 10s. 9d. to 17s. per lb., c.i.f.

GINGERGRASS.—Some inquiry on the market, but it has been difficult to locate stocks except a few odd kilos.

GRAPE FRUIT.—Reports from Florida state the crop has been a partial failure, and some difficulty is anticipated in fulfilling shipment orders. Californian oil of good quality is quoted at about 11s. 6d. per lb., spot. South African oil, if available, 15s. per lb.

HO (SHIU).—A small sale at high values. Spot, in drums, 3s. 1½d. to 3s. 4d. per lb., as to quality; higher prices for small lots. No shipment offers.

JUNIPER BERRY.—Market remains quiet, with quotations from about 2s. 9d. to 3s. 6d. per lb.

LAVENDER.—Values are steady, business of no account: French, 38 to 40 per cent., steady from 15s. 6d. to 18s. 6d. with blended oil at cheaper prices. Lavandin is quoted from 9s. 6d. to 11s. per lb., as to quality and quantity. There may be some cheaper sellers. New crop Lavandin is expected to open at slightly cheaper prices.

LEMON.—The source reports firmer conditions for hand-pressed Sicilian oil, with quotations for good brands of new crop oil now ranging from 11s. to 12s. per lb., c.i.f., and, it is added, the lower quotations may be withdrawn. A rather better demand is also notified. On spot there are sellers of good quality oil, 11s. 9d. to 12s. 6d. per lb., as to quantity, and there would probably be holders who would take lower prices. Spot inquiry is also a little better. Editorial comment on p. 625. Californian cold-pressed oil is available on spot at about 10s. per lb., landed. Californian distilled regular quality is quoted at 6s. 4d. per lb., ex wharf.

LEMONGRASS.—A slight improvement in the shipment market is recorded. Quoted steadily at 1s. 8½d., c.i.f., with some inquiry being received.

LINALOE.—Some supplies of wood oil, 75/85 per cent., is offered for July shipment from Mexico at about 5s. 3d. per lb., c.i.f.

MANDARIN.—Business small, with quotations varying as to quality of the oil from 19s. 6d. to 21s. per lb. Shipment prices are dear, from 21s. 6d. to 23s., c.i.f.

NUTMEG.—Market steady, fair amount of small business: American, 6s. to 6s. 3d. per lb. English-made oil steady at 5s. 6d. to 6s., as to quantity.

ORANGE.—Rather more interest in French Guinea oil, with shipment offers fully steady at about 5s. 1d. On spot sales of a few drums in the region of 6s. 3d. and up to 6s. 6d. for re-packed oil. South African oil, if available, is valued at 10s. 6d., landed. Tanganyika bitter oil, 8s., in drums, and Rhodesian, sweet, 10s. 6d. per lb. Californian, small drums, 4s. 2½d.; tins in cases, 4s. 3½d.; single cases, 4s. 6d. per lb., ex store. Sicilian, sweet, shipment, 13s. 6d.; bitter oil, 10s. 6d. per lb., c.i.f.

PALMAROSA.—A very limited quantity of oil is reported available on spot from 11s. 3d. to 11s. 6d. Shipment offers vary from 10s. 3d. to 10s. 6d. per lb., c.i.f.

PATCHOULI.—Some Seychelles oil, to arrive, is quoted at 13s. 6d., c.i.f. Singapore oil, spot, about 16s.; shipment, 15s. 1½d. per lb., c.i.f.

PEPPERMINT.—Only a limited consuming business: spot, 4s. 10½d. to 5s. Afloat parcels, sellers, 4s. 9d., with buyers at 4s. 8d., c.i.f. Japanese shippers quote June-July at 4s. 10½d. to 5s. There are market sellers of October-December oil at 4s. 4½d., c.i.f. American natural oil is quoted for shipment at about 2 dollars 50 to 60 cents per lb., c.i.f., with the source reporting a firm market. Spot supplies are offered at comparatively cheap prices, with business quiet.

PETITGRAIN.—Rather more business on spot, with cases at 4s. 4d. and smaller lots up to 4s. 6d.; shipment, 4s. 2d. per lb., c.i.f. Market rather dearer.

ROSEMARY.—Spot supplies of really good Spanish oil are fully steady at 3s. 9d. to 4s. 1½d. per lb. There may be some offers at less.

SANDALWOOD.—Genuine East Indian Mysore, 19s. per lb., in one-case lots on spot: oil described as British Indian at very competitive prices. English-made East Indian, 22s. 6d. to 25s. per lb., as to quantity. English-made West Indian, 7s. 3d. per lb. Australian oil continues steady: five cases, 14s. 6d.; one case, 14s. 9d.; 7-lb. tins, 15s. 3d. per lb.

SASSAFRAS.—Values are maintained, with good quality natural oil at about 3s. 7d. to 3s. 9d. per lb.

SPEARMINT.—Market continues unsteady on quotation: spot, 8s. 1½d. to 9s.; shipment, 7s. 3d. up to 8s. per lb., c.i.f., as to brand.

SPIKE.—Spot values for good quality Spanish oil are fully steady at 4s. 10½d. up to as much as 5s. 9d. per lb.

VEILVET.—Occasional inquiry for small lots of Bourbon: quoted in the region of 26s. 6d. to 27s. per lb.

WORMSEED.—Market continues steady, limited business: spot, 12s. 4d. to 12s. 6d.; shipment, 12s. 1½d. per lb., c.i.f.

London Drug Auction

Commercial Sale Rooms,

Mincing Lane,

May 27, 1937.

AT THE DRUG AUCTION held to-day eight catalogues were submitted. The offerings covered the usual range of commodities, but the quantities available were much smaller than usual. There was a fair sprinkling of fresh importations on offer. The demand generally showed some slight improvement on recent auctions. There was no outstanding feature to report, but most of the articles were firmly held. BUCHU continues very steady with a fair business passing, and shippers continue to refuse any bids for direct shipment below their present limits. ALOES of all kinds continue firm, with supplies very restricted. BENZOIN in fair supply and present prices decidedly in buyers' favour. DRAGONS BLOOD continues very steady, with a fair business reported privately. IPECACUANHA: No offerings were catalogued, and we understand that the tone is definitely firmer, and several orders for shipment that have recently been cabled have been refused, as suppliers are at present short. COLOCYNTH: Several new lots have recently arrived, consisting mainly of very fine white pulp, which are firmly held. MYRRH continues extremely firm, with practically no spot supplies available of any grade. RHUBARB still commands much interest and a steady business is taking place at current rates.

ALOE.—Still very firm. Cape, in auction, ten crates of fine hard bright retired at 65s. Curaçao: Only coarse and dark liver were available, 95s. per cwt. being asked. For the finer grades up to 125s. is wanted.

ANNATTO SEED.—Several small parcels were on offer: Jamaica, of fair colour, at 4½d. and Madras at 3½d. per lb.

BALSAM.—The only parcel on offer was five cases of genuine San Salvador *Peru*, which retired at 4s. 6d. per lb., "in bond."

BENZOIN.—Sumatra was in fair supply, and whilst nothing was sold "under the hammer," a steady business is reported privately at the recent lower level of prices. Siam: The offerings covered the usual range; medium almonds held for £26, bean and pea £22, pea £20, black grain £15 per cwt. All these parcels were of good bouquet. There was a fair supply of Saigon at current prices.

BUCHU.—Continues to attract attention, and shippers are still very firm in their ideas for new crop. In auction, good green rounds were sold at 2s. 2d., subject to confirmation, and yellowish at 2s. 1d. per lb. Ovals, a bid of 1s. 8d. per lb. was accepted for very stalky and bronzy.

CALUMBA.—No supplies were catalogued, and we understand that the market is absolutely bare of stocks.

CARDAMOMS.—Twenty-seven cases of bleached Ceylon were offered, and part sold at current prices. We understand that after the auction nearly all have been disposed of. This is a very firm market, and supplies are still difficult to obtain.

CASCARA SAGRADA.—A parcel of 85 bags of good clean three-year-old peel was offered at 72s. 6d. per cwt., duty free. There has been a definite decline in the price of new season's peel during the past few days.

CASCARILLA.—Still continues quiet, and several small parcels were available at 1s. 6d. to 1s. 7d. per lb.

CHAULMOOGRA OIL.—Four cases of hydnocarpus oil were withdrawn at 10d. per lb.

COLOCYNTH.—Two parcels of new season's pulp, of really fine white colour, were held for 2s. per lb., "in bond."

CUTILE FISH-BONE.—There were several parcels of East Indian bone on offer at from 6d. to 8½d. per lb.

DERRIS ROOT.—Four lots were catalogued and bought in at from 9d. to 1s. 5d. per lb., according to test. There has been a little more inquiry on the market this week.

DRAGONS BLOOD.—Continues steady and, whilst nothing was sold "under the hammer," a fair business is passing at current rates.

GAMBOGE.—For fair to good Siam pipe, £13 10s. per cwt., duty paid, was wanted.

GUM ACACIA.—A lot of 25 bags of fair cleaned Kordofan sorts was rather lightly limited at 65s. per cwt. The shipment market has been quieter and is quoted rather easier.

HONEY.—A rather quiet but steady market at present, and nothing sold "under the hammer." Jamaica: In all 216 packages retired at from 40s. to 50s. per cwt. Haiti: 20 barrels were held at 30s., "in bond." Guatemala: 23 drums were withdrawn at 25s. to 30s. per cwt., "in bond."

IPECACUANHA.—Nothing was offered in auction, but privately the market is inclined to be firmer, and for fair Matto Grosso 7s. per lb. is wanted.

KAMALA.—A lot of eleven bags available, testing 4.3 per cent. ash, was limited at 1s. 10d. This market is distinctly firmer.

KOLA NUTS.—Jamaica, six bags of halves retired at 4½d., and twenty bags of West African halves were held for 3d. per lb. Supplies very limited, with values fully steady.

LOBELIA.—A parcel of fifteen bales of fair quality was offered at the reduced price of 5½d. per lb.

MYRRH.—Practically no stocks available, and only two bags of rough dark sorts were offered at £6 per cwt.

ORANGE PEEL.—A parcel of five cases of good bright thin-cut Tripoli were sold at 11d. per lb., "in bond."

RHUBARB.—Continues very steady, with prices tending upward. A good business was transacted before and at the auction. Shensi was offered at from 3s. 9d. to 4s. 3d., according to quality and grading. For some Shensi pickings a bid of 2s. 6d. was to be submitted. High dried flat of rough coat was held for 1s. 9d. per lb. Rough round sold at 1s. 9d. for good pinky, and up to 1s. 10d. per lb. was asked for another parcel.

SARSAPARILLA.—Is without alteration, and two parcels of Honduras retired at 1s. 8d. per lb., and 14 bales of native Jamaica were held for 1s. 1d. to 1s. 2d. per lb., as to quality.

SENNA.—There was no Tinnevely included in the catalogues, but a steady business is passing privately at recent rates. Alexandrian hand-picked pods: one parcel of really good green was held, 4s. 6d. per lb.

STROPHANTHUS SEED.—A parcel of 100 per cent. Kombè was available at 3s. per lb.

TONKA BEANS.—A parcel of fair frosted Para was retired at 3s. 6d. per lb.

WAX.—There was one lot of yellow East Indian, slightly drossy, available at 120s. per cwt.

The next Drug Auction will be held on July 22.

London Drug Stocks

Stocks in London at April 30, 1937, and April 30, 1936:—

Article	Quantity	1937	1936
Aloes	cwt.	356	218
Anise (Star)	cwt.	464	47
Camphor	packages	268	409
Cardamoms	cwt.	278	409
Cascara Sagrada	tons	68	55
Cochineal	bags	38	47
Calumba Root	bags	2	261
Cubebs	bags	1	8
Dragons Blood	cases	175	191
Galls (China and Japan)	cases	948	638
" (Turkey and Persian)	bags	242	170
Gums:—			
Acacia (all descriptions)	packages	10,028	12,668
Ammoniacum	packages	39	26
Anilini	packages	417	462
Asafoetida	cwt.	374	380
Benzoïn	cwt.	221	929
Copal	packages	13,896	19,918
Dammar	packages	5,758	5,773
Elemi	packages	Nil	Nil
Gamboge	cwt.	17	52
Guaiaicum	cwt.	63	137
Kowrie	tons (net)	122	156
Mastic	packages	47	10
Myrrh, East India	packages	10	129
Olibanum	packages	209	272
Sandarac	packages	135	194
Tragacanth	packages	2,164	6,078
Ipecacuanha (Matto Grosso)	cwt.	105	240
(other sorts)	cwt.	78	
Nux Vomica	cwt.	112	128
Rhubarb (all descriptions)	cwt.	111	204
Sarsaparilla	cwt.	233	401
Senna	bales	2,887	4,057
Shellac, orange	cases	136,248	134,045
Turmeric (Bengal)	tons	18	74
(Madras, Cochin, etc.)	tons	87	110
Waxes, Bees'	packages	2,261	2,950
" Japanese	packages	450	337

Correspondence

Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor

Pharmaceutical Society's Council Election

SIR,—You will, I hope, allow me the courtesy of your columns to thank those members who by their votes and active support of my candidature have made me a councillor of the Pharmaceutical Society.—Yours, etc.,

JEAN K. IRVINE.

London, S.W.3.

SIR,—Will you kindly allow me to thank the electors at the Council election who registered their votes in my favour? I appreciate the renewal of their confidence. It will be my endeavour to do all in my power to justify their support.

Yours faithfully,

HERBERT ANTCLIFFE.

Sheffield, 4.

SIR,—May I, through the courtesy of your columns, express my thanks to all those who supported me at the recent Pharmaceutical Council election. It will be my constant endeavour to work to the best of my ability in the interests of pharmacy, and of those men and women who constitute our Society,

Yours faithfully,

THOMAS MARNS.

Ealing, W.5.

SIR,—May I thank all those pharmacists who gave me votes at the recent election, which I deeply appreciate?

Yours faithfully,

HERBERT SKINNER.

London, N.7.

SIR,—Would you kindly allow me the use of your valuable space to thank all those who have contributed to my success in gaining a seat on the Council of the Pharmaceutical Society? To all those who have sent messages of congratulation I shall reply as early as possible.

Yours faithfully,

F. W. YEOMANS.

Sparkhill, Birmingham, 11.

SIR,—May I, through your columns, thank very sincerely all those members who helped to secure Mrs. Irvine's election to the Pharmaceutical Council? The Association of Women Pharmacists is most grateful for all the support given to them in their successful effort to obtain direct representation on the Council.—Yours, etc.

GWENDOLEN HINDES,

Hon. Sec., N.A.W.P.

London, W.2.

SIR,—May I express my thanks to the 3,514 members of the Society who favoured me with their votes at the recent Council election? I would also beg for a continuance of their confidence when next I offer myself for election.

Yours faithfully,

J. C. WILSON.

Bradford.

SIR,—My best thanks to all those members who recorded votes in my favour. I shall hope for a renewal of their confidence at the next election.—Yours, etc.,

FRANK E. S. CLARKE.

Newport, Mon.

SIR,—I notice in the report of the annual meeting of the Pharmaceutical Society that for the election of the Council 22,195 voting papers were issued and 9,476 were returned, so that 12,719 chemists are uninterested. Of those returned 102 were disallowed as being informally filled up! We grumble at our lot, but if that is all the encouragement we can give to the Society and the N.P.U., it cannot be wondered at that we are treated by the Ministry as of no account, and told when our bills for work done are submitted that there is insufficient money in the cash-box to pay them.

Yours faithfully,

HEDLEY E. DWELLY.

Chatteris.

SIR,—Some of the Council election results may have been anticipated to a certain extent by those members who have followed closely the trend of pharmaceutical topics, but very few would have said there would be a further decline in the number of voting papers returned. At the same time, if one compares the figures of this year's voting with those reprinted from one of your issues of fifty years ago (*C. & D.*, May 22, p. 610), one finds that the proportion has not varied a great deal. As you suggest (p. 597), it would be some guide to know the percentage of votes recorded in each county, and it might be possible for the various branches to ascertain how many of their local members returned their voting papers, with a view to introducing discussions on the subject during the next winter session, although it is probable that those members who do not use their votes are mostly the same ones who do not attend their local meetings. It does show something of the feeling of the electorate that three new candidates have been chosen for the second year in succession, one of these coming as high as third on the list. It will be interesting to see who is co-opted to fill the remaining vacant seat. Without expressing any personal preference for some particular candidate, one may be permitted to hope that the Council will give due consideration to the views of the members, as expressed by their votes, when making the choice.

Faithfully yours,

ONE WHO VOTED (24/5).

The Future of Dispensing

SIR,—Though it be to reiterate my views expressed in your columns, may I subscribe to the aspirations of "Voter" (*C. & D.*, May 22, p. 609), who would rightfully arrogate to the pharmacist the monopoly of dispensing? I cannot consider the solution of this paramount question but in terms of an amicable settlement to be achieved by the accredited representatives of the professional interests concerned. It seems to be rather a domestic issue to be decided by other than parliamentary intervention, which, indeed, might be signalled by that lack of sympathetic regard for pharmaceutical advancement of which much complaint is heard. While essentials merit first consideration, the primary arbitration to be concluded would require the acknowledgment and establishment of the inalienable and exclusive rights which chemists justly claim. Only minor adjustments need yield to compromise. Apart from the principles involved it might be demonstrated to the precedent profession that such loss of revenue as might accrue from the renunciation of dispensing could readily be restored by an increase in fees. This system universally applied would conduce to the amelioration of that irksome corollary of medicine which is its least ethical aspect. This departure does not premise a perpetual functioning of the pharmacist. Every medical or surgical emergency can be easily anticipated in respect of appropriate remedies. The hypodermic syringe provides an efficient "interim" implement, and its employment now seriously menaces the more antiquated mixture.

It might be suggested that the chemist could, with profit to his status and incidentally to his exchequer, segregate his more commercial enterprise from his dispensing department instead of, as seems general, associating galenicals with such commodities as tend to obscure and identify his professional status with the dual role of merchant. Stress of circumstances and attenuated privileges, doubtless, impel this combination, but it impedes his professional progress. The entire character of a modern pharmacy requires reform if a restored status is to be the desideratum. Comprehensive legislation is indicated where the chemist's prerogatives are to be defined, but while the statutes recognise his powers in dispensing, and as regards his plucked and pruned privileges in the distribution of poisons, it is only by negotiation with the senior faculty that the practice of dispensing can be allocated wholly to him.—I am, etc.

JOHN SHIEL,

L.R.C.P., L.R.C.S., L.M., Ph.C.,
Barrister-at-Law.

Dublin.

Miscellaneous Inquiries

We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them

E. M. O'G. (22/7).—HAIR RESTORING POMADE.—We are not acquainted with the formula of the preparation you mention, but the following, from the "Pharmaceutical Formulas," volume II., is representative of those sold under the above title:—

Lead acetate	...	...	...	30 parts
Precipitated sulphur	...	...	...	25 parts
Beef marrow	...	...	...	100 parts
Olive oil	...	...	...	180 parts
Soft paraffin	...	...	...	450 parts
Benzoated lard	...	...	...	175 parts
Beeswax	...	...	...	25 parts
Perfume	...	...	...	a sufficiency

W. M. N. (Kenya) (19/84).—RANCIDITY IN FATS.—The factors which cause rancidity and the nature of the changes which take place are not at present fully understood, and there is no definite chemical test to indicate rancidity. Moreover, chemical changes are not the same for all fats and under all conditions. Hydrolysis of the fat into glycerol and free acid is usually considered the primary cause, but fresh fatty acids are not rancid in odour, and analysis has shown that though rancidity is usually accompanied by an increase of acidity, the fat may become rancid without much increase of acidity. Oleic acid is closely related to stearic acid; the latter can be formed from it by treatment with hydrogen, when the oleic acid takes up two atoms of hydrogen and forms stearic acid. On oxidation, oleic acid forms a hydroxy acid, and on further oxidation it breaks down into simpler substances. The latter reaction is probably the type of one which takes place as a fat becomes rancid. For the hydrolysis of the fat water is necessary, and this also appears to favour the development of rancidity. In natural fats enzymes may be present, and also micro-organisms. Some of these have the property of accelerating the hydrolysis of fats, which then takes place appreciably at ordinary temperatures. The enzyme lipase occurs in certain oil-containing seeds, and is not necessarily destroyed by the heat to which the seeds are subjected in pressing or refining the oil. The development of the rancid odour appears to be caused by oxidation accelerated by light and moisture and also by enzymes and micro-organisms. The rancid odour may be removed and the fat somewhat restored in character but, considering the chemical changes which take place as rancidity develops, one can hardly expect to be able to restore all the characters of the original fat. By washing with hot water soluble acids and other products are removed, together with some of the rancid odour. A solution of potassium permanganate may be used to oxidise other impurities, such as the aldehydes and ketones. The effect of permanganate may be noticed almost at once; when coconut oil is treated with it, the odour is very rapidly removed, and a similar effect is obtained with rancid fats. Finally, to remove free acid dilute solutions of sodium carbonate may be used. Sodium carbonate, however, forms emulsions which are difficult to deal with when a small quantity of fat is being treated. Milk of lime may also be used, but its action is slower. A solution of sodium silicate neutralises the fatty acids as well as sodium carbonate, and the tendency to form an emulsion is slight; silicic acid is set free and mechanically carries down the alkaline salts, and so removes them from the oil and lessens the tendency to emulsify.

H. O. C. (Holland) (21/86).—ADHESIVES.—The principal ingredient of cold water glues is usually casein, and we think the following formula will meet your requirements:—

Casein	...	...	...	78 per cent.
Dry sodium carbonate	...	...	...	4.5 per cent.
Sodium fluoride	...	...	...	4.0 per cent.
Freshly slaked lime	...	...	...	12.5 per cent.
Sodium arsenate	...	...	...	1.0 per cent.

For use, mix with (a) water, or (b) a weak solution of gelatin.

As regards liquid glue, there are a number of recipes in "Pharmaceutical Formulas," volume II, from which the following is selected:—

Liquid Fish Glue

Soak Russian glue 12 lb. in acetic acid 16 lb. until soft, and gelatin 2 lb., in distilled water $2\frac{1}{2}$ gallons. Heat the gelatin and water until liquid, and pour in the acid and glue. Stir gently until all is dissolved, then strain.

C. W. (15/5).—ALGAE ON PONDS.—The usual method for the destruction of algae in ponds is by means of copper sulphate at the rate of one part per million. The method of using is to place the amount in large crystals in a canvas bag, and drag this through the water until the crystals are dissolved. We are not aware of any ill effects having been caused by this treatment either to fish or to human beings.

W. J. M. (25/5).—SODIUM CHLORATE AS A WEED KILLER.—For garden paths, $\frac{1}{4}$ lb. sodium chlorate per gallon of water ($2\frac{1}{2}$ per cent. solution) applied with a watering can to 15-16 square yards in the autumn and spring will kill all the usual weeds on rolled gravel, but if the path is much infested with meadow grass, two applications may be required. A 5 per cent. solution (1 gallon to 16 square yards) should be used for treating weedy fence rows. After the path has been cleared, a regular application of $2\frac{1}{2}$ per cent. solution in September and April will keep the path permanently clean. A path bordered by shrubs should not be flooded by the solution.

D. R. H. (22/5).—ANTI-STING LOTION.—The formula for which you ask is as follows:—

Spirit of camphor	...	...	...	4 fl. drachms
Spirit of chloroform	...	...	...	1 fl. ounce
Strong solution of ammonia	...	...	...	4 fl. ounces
Solution of hamamelis	...	...	...	2 fl. ounces
Strong solution of lead subacetate	...	...	...	1 fl. ounce
Cherry-laurel water	...	...	...	2 fl. ounces
Distilled water, a sufficient quantity to produce	...	...	...	2 pints

M. F. (21/85).—SKELETON LEAVES.—The method of the preparation of skeleton leaves is given in "Pharmaceutical Formulas," volume II.:—Use of solution of

Chlorinated lime...	...	...	...	5 oz.
Sodium carbonate	...	...	...	6 oz.
Water	...	...	...	2 oz.

Dissolve the soda in warm water, strain through muslin and add the chlorinated lime. The leaves are boiled in the solution until only the mid-rib and veins remain. They should then be washed in water and dried between blotting paper. No further treatment is necessary. Where leaves are of a very thin texture it is best not to boil, but to macerate them; boiling only takes about ten minutes, but the macerating process takes days, or even weeks. It is said that leaves containing tannin do not prove amenable to this treatment.

Retrospect of Fifty Years Ago

Reprinted from
"The Chemist and Druggist," May 28, 1887

Market Fluctuations

The Epsom races have to some extent interfered with the regular course of business this week, but there are a few slight changes in the market to report, although the transactions, so far as can be gathered, have been very few. Among heavy chemicals, there is a better feeling for *soda crystals* and *sulphate of ammonia*: *cream of tartar* is firm, but *bicarbonate* and *nitrate of soda* are quoted lower, the latter on account of the somewhat heavy arrivals. *Sulphate of copper* also is a shade easier. There has been a great deal of manoeuvring in *quicksilver*, which closes about 5s. below last week's quotations, but mercurial compounds, which at first lost a penny all round, have recovered their previous position. The *opium* market is said to be again firmer at Smyrna, although the change has not much affected London, it would seem *quinine* has been sold, it is said, in second-hand on an unprecedentedly low price, but the lot disposed of must have been an isolated one, for we understand that to-day 1s. 9d. per oz. would not buy German brands in bulk. . . . Oils of various kinds are looking up. *Linseed oil* and *cottonseed oil* are dearer, turpentine has also advanced, and a firmer tendency is reported in *olive oil*, but the prices of *coconut oil* show less firmness. It is said that *cod-liver oil* has risen in price in Norway, here the market is unaltered.

25 million sales last year . . .

How many for you this year?

Before they were even introduced to the British Market "Alka-Seltzer" Brand Tablets achieved a world-wide success. Last year alone over 25 million people bought them.

NOW large scale national advertising is putting the merits of this remarkable line before the public of this country, and stocks are beginning to move in a way which augurs well for those who stock "Alka-Seltzer" and display it. There's no doubt about it, "Alka-Seltzer" Brand Tablets are going to be one of the British chemists' best selling lines.

And you can confidently give "Alka-Seltzer" your personal recommendation. "Alka-Seltzer" Tablets make a sparkling, refreshing drink which brings quick relief from Indigestion, Wind, Heartburn, Pain after eating, Colds, Headaches, and all symptoms of excess acidity. "Alka-Seltzer" also removes the cause, by rapidly correcting excess acidity and restoring the normal alkalinity of the system. In addition "Alka-Seltzer" Brand Tablets are a safe and highly efficient analgesic.

Retail Prices

1/-

(12 TABLETS)

2/-

(30 TABLETS)

Alka-Seltzer

BRAND

Effervescent Alkalising and Analgesic Tablets

If you have not received full particulars of "Alka-Seltzer" Tablets, price list, display discounts, etc., please write to the Sole Distributors.



Sole Distributors: DON S. MOMAND LTD. 10-15 Chitty Street, London, W.1.

STURGE CITRIC ACID

A biological product such as Sturge Citric Acid must, in the interests of the trade and the public, be of unvarying quality and absolute purity. Thus the strictest scientific supervision is given to every phase of its manufacture.

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MANUFACTURERS OF FINE CHEMICALS SINCE 1823



99.90%

N₂O

ANALYSIS OF COXETER'S N₂O

Nitrous oxide - not less than 99.90%
 Nitrogen - - not more than .08%
 Oxygen - - not more than .02%
 Carbon monoxide - - absent
 Nitric oxide - - - absent
 Water - - - the gas is dry to
 Calcium chloride

COXETER'S NITROUS OXIDE

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 202 Heald Grove,
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Telephone - RUSHOLME 2882-3
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Prepared from selected Raspberries
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Guaranteed free from artificial
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EPSOM SALTS

*Commercial and B.P. Qualities
also Powdered*

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Commercial and B.P. Qualities

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Fused, Granulated and Liquid

**WILLIAM
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Holland Bank Chemical Works

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Hyposulphite of Soda *Pea Crystals*

Lead Arsenate *Paste and Powder*

Precipitated Sulphur WEED KILLER

*A list of our general Technical
Chemicals sent on application*

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THE PUREST QUALITY ON THE MARKET

Produced by

THOMAS HEDLEY & COMPANY, LTD.

TRAFFORD PARK,
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Chemically Pure B.P.
Industrial White.
Pale Straw



Sole Distributors:

FREDK. BOEHM, LTD., 17, JEWRY ST., LONDON, E.C.3
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Established 1880

H. E. STEVENSON & Co., Ltd.

10 Pancras Lane,
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Halibut Liver Oil

Finest Refined Quality

Biologically standardised
for Vitamin A and D

IN BULK

Or in

5 c.c. vials in cartons. 15/- per dozen.

Also in

Bottles of 25 x 3m Capsules beautifully
packed. 15/- per dozen.

H.L.O. Emulsion

THE GOODWILL OF BOX'S CUSTOMERS IS YOURS ON DEMAND

Buyers of Box's Pills being "on to a good thing" very soon come back for more, and quickly establish themselves as your regular customers.

Display this famous fifty-year-old proprietary and start profit-taking at once.

SALES-MAKING DISPLAYS FREE ON REQUEST

P.A.T.A. List 1/3 3/- 5/- 22/- Retail
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BOX'S PILLS

CURE • INDIGESTION •

WILLOWS GALENICALS

Made from Chemically and
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FRANCIS

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LTD.

HERRINGS SALINE

AN EFFERVESCENT PREPARA-
TION OF HIGHEST QUALITY
WHICH APPEALS INSTANTLY
TO THE GENERAL PUBLIC.
THEY ALWAYS WANT IT AGAIN

Obtainable only from

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Wholesale and Export

Manufacturers of
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NEARLY TWO CENTURIES

Announcing NEW 5/- size

"CLARKES"

Brand

World-famed Blood-purifying Medicine

"BLOOD MIXTURE"

Registered Trade Mark

UNSTAMPED, FOR SALE BY CHEMISTS ONLY

P.A.T.A. PRICES**"CLARKES"** Brand BLOOD MIXTURE

(Liquid and Tablets)

Retail 3/-. 3 doz. lots £4-4-0 less $3\frac{3}{4}\%$ one month12 " " £16-16-0 " $8\frac{3}{4}\%$ " "

CARRIAGE PAID

PACKING FREE

ASSORTED ORDERS**"CLARKES"** Brand

BLOOD MIXTURE

	Retail	Per Doz.
(Liquid & Tablets) ...	1/9	16/4
" " " ...	3/-	28/-
" " " ...	5/-	46/8
" (Liquid only) ...	12/-	112/-
SKIN LOTION ...	1/3	11/8
SALVE ...	1/3	11/8
" " " ...	3/-	28/-
" " " ...	5/-	46/8
APERIENT PILLS ...	1/3	11/8
" " " ...	3/-	28/-
MEDICATED SOAP		Doz. Tablets
Box 3 Tablets ...	2/6	7/10
Single Tablets ...	1/-	

Orders may be assorted as desired at above rates provided they reach minimum values, as follows:—

£4-4-0 less $3\frac{3}{4}\%$ one month£16-16-0 " $8\frac{3}{4}\%$ " "

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ORDERS may be sent direct or through the usual
wholesale houses**The Lincoln & Midland Counties Drug
COMPANY, LIMITED****PARK STREET, LINCOLN**

Telegrams: "Lindum, Lincoln" Telephone: Lincoln 55

FOR

Grandmama's time-honoured
remedy in a pleasant sweet-
meat form**Brimstone & Treacle
Tablets** to sell 6d. per Quarter

OTHER SEASONABLE GIBSON LINES ;

SULPHUR — SULPHUR AND FIG TABLETS**"CO-REX-IT" — the Chocolate Laxative****"ARAB BRAND" PRUNE LAXATIVE****Robert Gibson & Sons Ltd.**

MANCHESTER

and

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The famous "Town Talk" 5, they yield a good
profit and bring customers into your shop.**ORDER DIRECT OR FROM****MANCHESTER :**D. Mawdsley & Co.
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BY APPOINTMENT

Schweppes

SUGAR-FREE GINGER ALE
SUGAR-FREE TONIC WATER. . .
SUGAR-FREE SPARKLING LIME

Approved by the Institute of Hygiene and the Diabetic Association.

These beverages have been analysed by the Institute of Hygiene and found "free from sugar and metallic contaminants." The analyses shown have been accepted by the Medical Advisory Council of The Diabetic Association and recommended for diabetic and obese subjects.

ANALYSIS SHOWED THE FOLLOWING RESULTS :

<i>Schweppes Sugar-Free Dry Ginger Ale</i>		<i>Ordinary Dry Ginger Ale</i>	<i>Schweppes Sugar-Free Tonic Water</i>		<i>Ordinary Tonic Water</i>	<i>Schweppes Sugar-Free Sparkling Lime</i>		<i>Ordinary Sparkling Lime</i>
Carbohydrates	absent	6.2%	Carbohydrates	absent	9.1%	Carbohydrates	absent	11.8%
Protein	absent	absent	Protein	absent	absent	Protein	absent	absent
Fat	absent	absent	Fat	absent	absent	Fat	absent	absent

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PRICES RISING !

A CONTRACT PLACED NOW WILL SAVE YOU MONEY

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OF ALL TYPES

May we have the pleasure of your enquiry?

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"USHENSPUNA,
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ointments—of course

PETROLEUM JELLIES

WHITE, LEMON, YELLOW, AMBER, RED, GREEN.

WHITE & COLOURED OILS

YELLOW, GREEN, RED FOR BRILLIANTINE, etc.

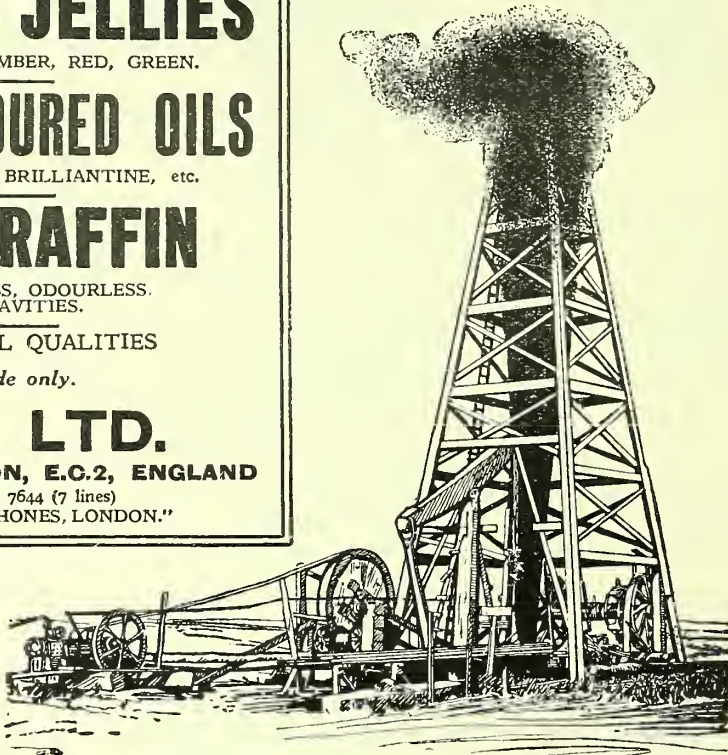
LIQUID PARAFFINCOLOURLESS, TASTELESS, ODOURLESS.
ALL SPECIFIC GRAVITIES.

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Telephone: NATIONAL 7644 (7 lines)

Telegrams: "CENTUMVIR, PHONES, LONDON."

**TABLETS and CAPSULES****COMPRESSED TABLETS**

We can quote you very favourable prices for bulk or packed tablets of every description. Ask us for samples and prices.

We specialize in the manufacture of all kinds and shall welcome enquiries.

**LOFTHOUSE & SALTMER LTD. — HULL****CALDER****50 TABLETS 7d.
100 TABLETS 1s. 0d.**Discounts: Retail 33½%
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Carriage paid on all orders

**YEAST TABLETS**

Can now be obtained in Cartons of 1 & 2 doz. bottles, containing 50 tablets, and Cartons containing 1 doz. bottles of 100 tablets.

YEAST IMPROVES THE COMPLEXION

Supplies of Calder Yeast Tablets may be obtained through Wholesalers

CALDER'S YEAST CO. LTD. INVERKIP ST., GLASGOW, G.5**OLIVE OIL****PURE
NATURAL**

The Finest Quality Virgin Oil of this World-famed House. Prices and Samples on Application.

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VICHY-CELESTINS

The world renowned NATURAL Mineral Water.

(And the other State Springs of Vichy)



We beg to remind the Trade that the above are on the P.A.T.A. list and show a good return to retailers.

These waters are largely prescribed by Physicians, and Chemists would do well to have an ample stock on hand.

Pamphlets, Show Cards and Dummy Bottles forwarded on application.

CAUTION—Each bottle from the STATE SPRINGS bears a neck label with the word "VICHY-ETAT" and the name of the

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Telegraphic Addresses :

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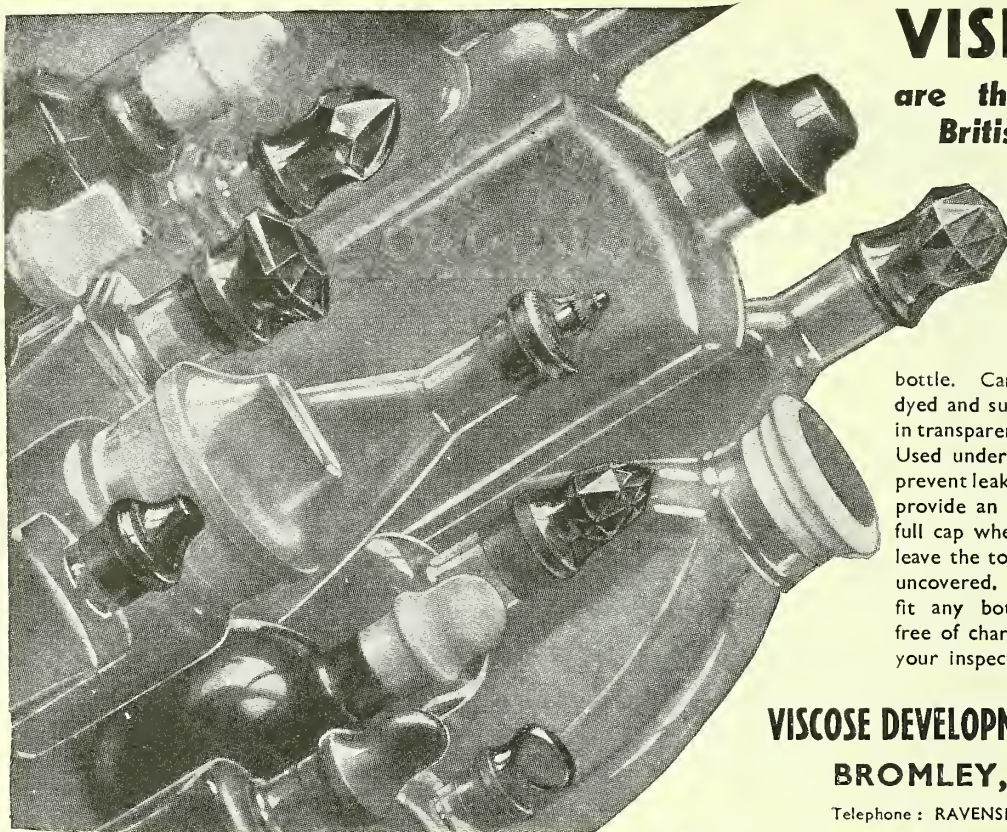
"Sprudel, Bristol."

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Viscose Capsules

ensure security and hygiene and give an attractive finish to every bottle. Can be printed and dyed and supplied wet or dry in transparent or opaque finish. Used under a screw cap they prevent leakage. "Viskrings" provide an alternative to the full cap when it is desired to leave the top of the container uncovered. We will gladly fit any bottle or container free of charge and return for your inspection.

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BEST IN QUALITY & APPEARANCE
PROMPT DELIVERIES

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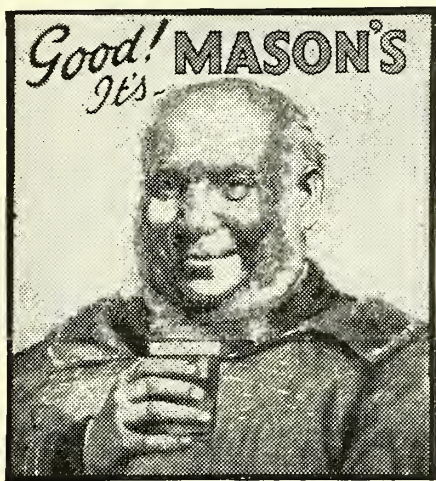
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Apply for Illustrated Particulars to
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Postlip Filterings are stocked by all the leading Wholesale
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Two neighbours made STRAWBERRY JAM



Mrs. West had no luck.

She boiled and stirred away for hours—boiled away much of the lovely colour and flavour of the Strawberries. But even then her jam just wouldn't jelly!

Mrs. North used ZETT.

Her jam was ready for the jars less than 20 minutes after she'd put it on to boil. Lovely bright beautiful jam—and such a lot of it.

Zett supplies extra pectin—the natural element in fruit which makes jams and jellies set. This extra pectin *keeps* boiling, and so preserves the fine colour and *textures!* Only a few minutes' boiling.

Here is another clipping from one of the new Zett advertisements soon to appear in leading women's papers. The story it tells is interesting, convincing, *true*. Zett does make jam-making quicker, easier and unfailingly successful. More and more women will be making jam with Zett this season. Be ready for the demand—stock Zett now and get your share of the fine profits it brings.

RETAIL **6^D · 10¹/₂^D · 1/6** PER PKT.

TRADE **4/6 · 7/10 · 13/6** PER DOZEN NETT



Pure Fruit Pectin Compound—
Contains no Gelatine

Send a postcard for full particulars
or for our representative to call.

Manufactured by
BOVRIL LIMITED, 152/166, Old St., London, E.C.1

Hospitals cure by **Thermo-Penetration**:-

DUO-RAY

Perfectly Safe
28000
in
Daily use

As supplied to:-
London Hospital,
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Gay's "
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Manufactured by
F.W. Read & Sons, Ltd.
Telephone: TERminus, 4074.

RHEUMATISM, NEURITIS,
LUMBAGO, SCIATICA,
VARICOSE ULCERS &
ALL CONDITIONS
OF PAIN.

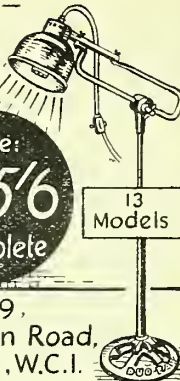
Send
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No 106

Price:
95/6
complete

13 Models

175-9,
Gray's Inn Road,
London, W.C.1.

Infra-Red
Ray
Apparatus



There is going to be a big demand for
SOUTHALLS
"CELTEX" SOLUBLE
SAN TOWELS

Single

1^D

Cartons

ALSO MAKERS OF

"ORIGINAL" & "K" SAN TOWELS

PROPHYL'S

LATEX PROTECTIVES of unparalleled quality, unlimited shelf life, in very attractive packages.

WANTED. Organisation of sales in G.B.—Sound firms with best connexions amongst Druggists, Pharmacies, Hairdressers wishing Sole Selling Rights of additional highly profitable line apply to 302/903 Office of this Paper



Forster's Eldon
Vapouriser

FOR USE WITH NIGHT LIGHT

Retail, 1/9. Wholesale, 15/-.
Also Forster's "Fenolin Fluid" For Whooping Cough
Write for particulars
HALL, FORSTER & CO., Ltd., Newcastle-on-Tyne



THE

"MATER"
CLINICAL

REGD.
The position of the Mercury column is at once perfectly plain. Red markings above 99.4.

**ALL TYPES OF
CLINICAL
AND OTHER
THERMOMETERS**

**PERKEN, SON
& CO. LTD.**
(ESTABLISHED 1852)

Price List on Application:-

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LONDON, E.C.1**

Telephone: 0724 Holborn

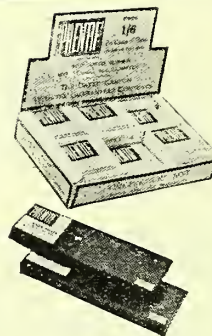
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THE NAME BEHIND THE APPROVED
CONTRACEPTIVE PRODUCTS

"Prentif" Condoms and Sheaths in the dated packings protect you against loss and your customer against failure. Out of date unsold goods are exchanged without question and without deduction. "Prentif" Lines are Chemists' Lines—Association with the "Prentif" name enhances your professional reputation.



Particulars, Prices & Samples from:

PRENTIF LIMITED

Long's Court, St. Martin's St., London, W.C.2

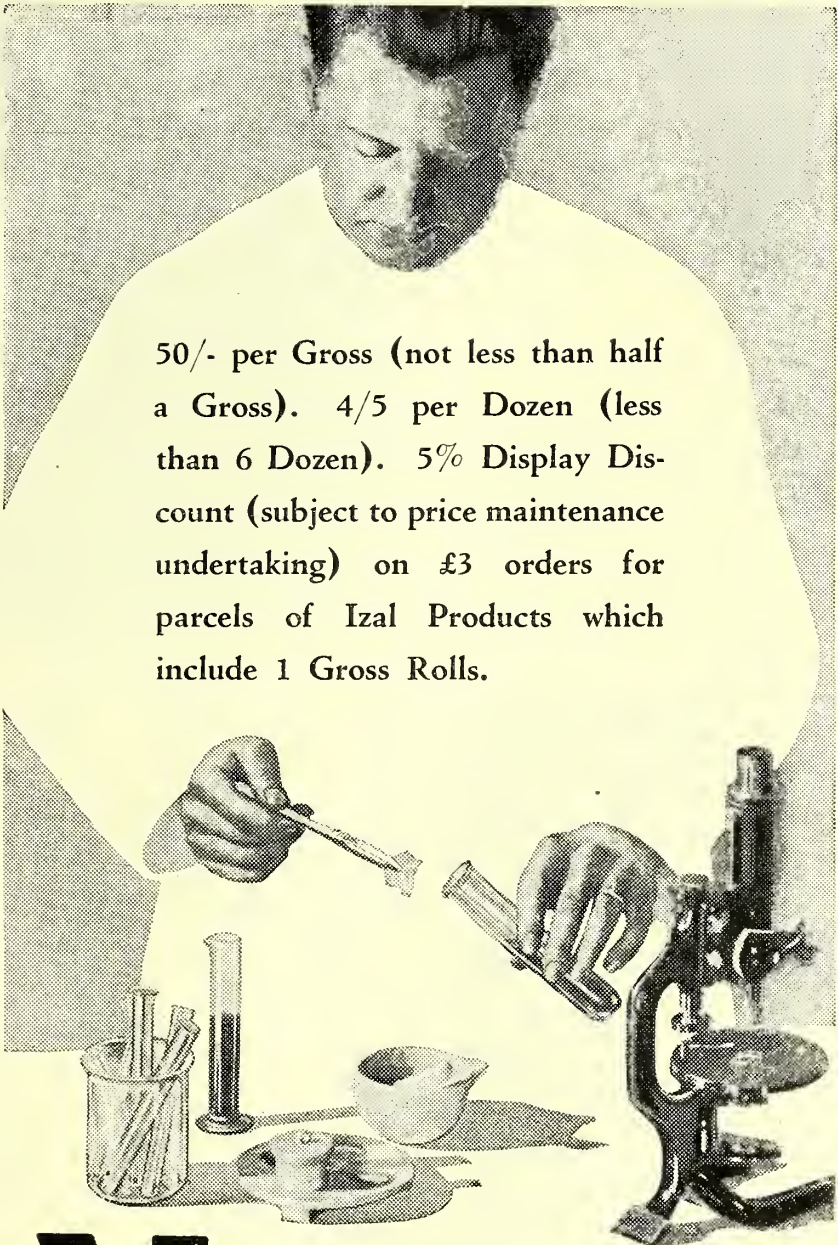
Telephone: WHitehall 9270

SOLE AGENTS IN GREAT BRITAIN FOR HOLLAND-RANTOS
CO. INC., NEW YORK, manufacturers of "Koromex" Products.

Supplied for retail sale only to Chemists and Druggists or
Chemists' Wholesale Houses

REVISED TRADE TERMS

From 1st June, 1937



50/- per Gross (not less than half a Gross). 4/5 per Dozen (less than 6 Dozen). 5% Display Discount (subject to price maintenance undertaking) on £3 orders for parcels of Izal Products which include 1 Gross Rolls.

IZAL

antiseptic TOILET ROLLS

The most heavily advertised rolls on the market

NEWTON CHAMBERS & COMPANY, LIMITED, THORNCLIFFE, SHEFFIELD

ZEAL

Clinicals

The Choice of Experts

BRITISH MADE

NO HIGHER IN PRICE THAN NONDESCRIPT MAKES

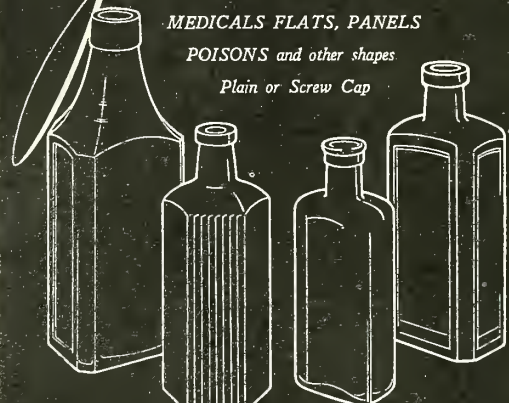
Also Household, Bath and Works Thermometers, the best of their kind

G. H. ZEAL LTD.
MORDEN RD., MERTON, LONDON, S.W.19
Phone: Liberty 2283-4-5



Glass Bottles

MAKERS OF HAND OR MACHINE MADE
MEDICALS FLATS, PANELS
POISONS and other shapes
Plain or Screw Cap



Special quotations to Manufacturers and Packers of Proprietaries

SAXTON GLYNNE BOTTLE CO., LTD.
FOUNTAIN GLASS WORKS. LIVERSEDGE. YORKS.

BRITISH MADE

METAL SMALLWARES

of every description

ROLATUBE KEY
PAT. 439206



NO MESS—NO WASTE

Can be used hundreds of times

Supplied stamped with your name and address as a permanent advertisement

Particulars on application

SEND FOR CATALOGUE

L. ELBOZ & SON



RAYON D'OR WORKS
94 FERNDENE ROAD,
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SANITARY TOWELS
FOR BRISK BUSINESS
Obtainable from your usual wholesaler.

ROBINSON & SONS, Ltd., CHESTERFIELD & 168 Old Street LONDON, E.C.1

"HERNICURA" TRUSSES

(REGISTERED NO. 254807)

AND SURGICAL APPLIANCES

WE ARE SOLE PROPRIETORS
(Infringers will be prosecuted)

WILL BUILD UP YOUR TRUSS TRADE
DISTRICT SOLE RIGHTS GIVEN

Send for Illustrated Wholesale Price List

JEFFERSON & SON
"HERNICURA" TRUSS AND SURGICAL APPLIANCE SERVICE
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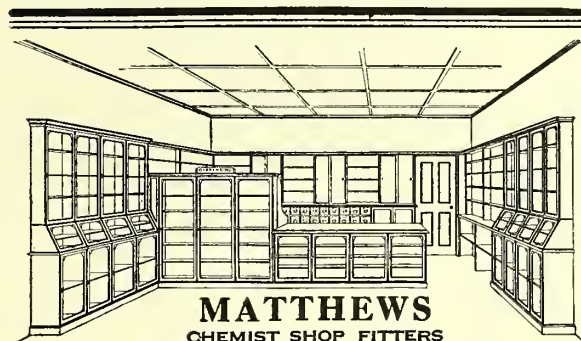
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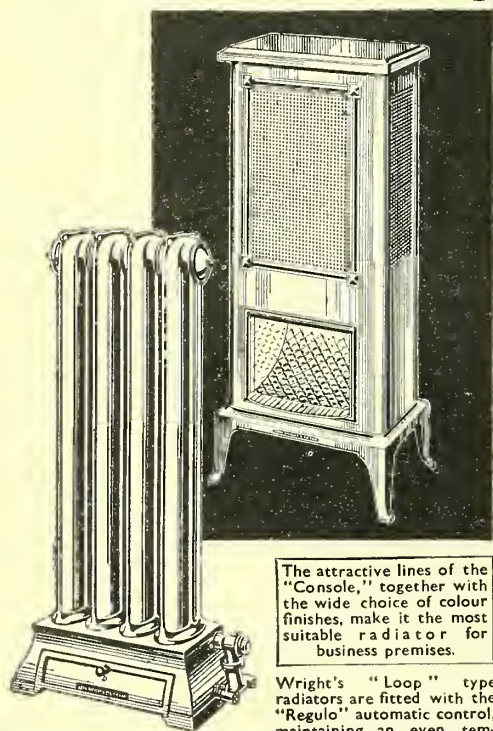
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The CHEMIST AND DRUGGIST SUPPLEMENT

This Supplement is inserted in every copy of The Chemist & Druggist

28 ESSEX STREET, LONDON, W.C.2

MAY 29,
1937.

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10.—ESSEX COAST.—Genuine Middle-class Business with Photographic; well established; takings well over £3,000 per annum; net profit over £600 per annum; comfortable living accommodation; very reasonable rental; purchase price asked £2,500 or near offer.

11.—SOUTHERN COUNTY.—Coastal Business for sale; takings exceed £3,200 per annum; good profits; heavy stock; attractive fixtures;

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12.—BLACKPOOL.—For immediate sale, Middle-class Business with sub-Post Office attached; excellent future prospects; pharmacy takings last year £1,000; good profits; corner shop; price required value of stock and fixtures only, in all about £600; Vendor buying another business.

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(C8) BEDFORDSHIRE.—Good-class business at present under management; turnover for last year, £1,627; reasonable overheads; scope for increase; price £1,300 all-at, including stock and fixtures estimated at £900, subject to valuation.

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8.—HACKNEY.—Profitable; light cash Retail; returning £1,500; good panel; net profit £300/£350; smart shop, with house and garage; stock worth £500/£600; price £1,000, or offer.

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COUNTY COUNCIL OF MIDDLESEX ASSISTANT DISPENSER

APPLICATIONS are invited for the pensionable appointment of Assistant Dispenser (non-resident) at Redhill County Hospital, Edgware. Salary £200 per annum, rising by annual increments of £7 10s. (one of £5) to £250 per annum.

Candidates must be graduates in Pharmacy of a recognised University or hold one of the qualifications of the Pharmaceutical Society of Great Britain. The officer appointed will be required to work under the direction of the Pharmacist and of the Medical Superintendent of the Hospital, and to devote whole time to the duties of the post. The appointment will be held during the pleasure of the Council and is terminable by one month's notice on either side.

Applications, stating age, qualifications and experience, together with copies of not more than three recent testimonials, must be received by the undersigned not later than June 12. Relationship to any member or officer of the Council must be disclosed in the application.

Application forms are not provided. Envelopes must be endorsed "Assistant Dispenser, Redhill County Hospital."

Canvassing, directly or indirectly, will be a disqualification.

C. W. RADCLIFFE. "L.I."
Clerk of the County Council.

Middlesex Guildhall,
Westminster, S.W.1.

May 20, 1937.

APPRENTICES

LADY CHEMISTS, LTD., Daws Lane, Mill Hill, will shortly be having a vacancy for young lady Apprentice or Improver.

SITUATIONS OPEN

RETAIL (HOME)

6s. for 40 words or less; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

BIRMINGHAM District.—Qualified Chemist required for relief duty; permanent position to suitable man. Write 302/923, Office of this Paper.

BIRMINGHAM.—Junior male in high-class Dispensing business offering exceptional opportunity for experience; must be active and willing. State salary and enclose photo. 302/914, Office of this Paper.

BIRMINGHAM.—Qualified Manager required; Counter and N.H.I. Please give full particulars of experience, age, salary required, and enclose photo, Rayne, 14 John Bright Street, Birmingham.

BOURNEMOUTH.—Assistant (Unqualified), for season, until October; must be fully conversant with Photographic counter work, Window-dressing and good-class Retail. Write, with full particulars, to A. V. Ison & Co., Ltd., 5 West Cliff Road, Bournemouth.

JERSEY, C.I.—Unqualified Assistant required for June 14, permanent; must be used to high-class Dispensing, knowledge of Photography and Window-dressing essential, Optics an advantage; references, photograph and salary with application. P. Roberts, 3 Bath Street, Jersey.

KENT AND MIDDLESEX.—Energetic Qualified Managers required for growing businesses; good salary and bonus terms. Fullst particulars in first instance to 90/27, Office of this Paper.

LONDON.—Qualified Assistant (permanent) also Qualified Assistant for three or four evenings weekly; middle-class trade. Give full particulars of experience, names of references, when disengaged, age and salary required. Apply (letter only), Chemist, 37 Sydenham Road, London, N.16.

LONDON.—Qualified man wanted to commence on relief duty and probably assume permanent Management later if suitable; excellent prospects to suitable man. Apply 302/924, Office of this Paper.

LONDON, E.—Qualified Assistant required; easy berth, light duties. State usual particulars; apply by letter, stating salary required, 90/39, Office of this Paper.

LONDON, E.—Qualified Assistant required immediately; young, recently Qualified would suit; permanency if suitable. Send full particulars, experience, age, last two references and salary required. 90/17, Office of this Paper.

LONDON, E.10.—Qualified Lady required; N.H.I. and Counter; permanency; moderate salary to commence; good prospects. Apply, stating age, references, etc., photo (returned if s.a.e. enclosed), 90/31, Office of this Paper.

LONDON, N.W.—Wanted immediately, Unqualified smart Junior Assistant (Male); permanency; Dispensing experience essential. Apply, stating height, age, and salary required, to C. F., 91/18, Office of this Paper.

LONDON, S.E.1.—Unqualified lady Assistant required immediately; of smart appearance and good knowledge of Toilets, General Counter, etc.; 5½ day week; this is a comfortable position for suitable applicant. Call or write Howards, 184 Old Kent Road. Phone: Rodney 4097.

LONDON, S.W.—Qualified Assistant (under 30), with view to Management later, on £5 weekly and liberal commission basis; must be good Window-dresser and used modern business methods; good Photographic knowledge essential; Optical or Surgical experience advantageous. Please give full details experience, stating age, height and when at liberty. 90/19, Office of this Paper.

LONDON, W.1.—Qualified Assistant wanted for High-Class West End Pharmacy; give full particulars of age, experience, etc., 91/27, Office of this Paper.

LONDON, W.1.—Wanted, Qualified Assistant (Male) for Dispensing business near Harley Street; permanency. Please apply, giving full particulars of experience, salary required, and when disengaged. 91/35, Office of this Paper.

MANCHESTER.—Chemist or Chemist-Optician required for branch in working-class district; living accommodation; state age, full particulars and salary required, 90/36, Office of this Paper.

MANCHESTER.—Qualified experienced Manager wanted, with knowledge of Optics; accustomed to brisk counter trade and busy N.H.I.; good Window-dresser and Organiser. Write, stating age, height, experience, wage required, photo (if possible), to 90/34, Office of this Paper.

NORTH LONDON.—Qualified Lady, with experience in Toilet; usual duties, Counter and Dispensing. Kindly reply stating salary required, experience, etc., 91/41, Office of this Paper.

SOUTH COAST.—Qualified Assistant required (lady or gent.), just qualified would suit. State age, experience, salary, references and enclose photo (to be returned). 89/13, Office of this Paper.

SOUTH KENSINGTON.—Qualified Assistant wanted in good-class Dispensing business, to commence June 14. Please give details as to age, height, experience and salary required. 88/3, Office of this Paper.

SOUTH STAFFORDSHIRE.—Capable and energetic Qualified Chemist wanted for business in industrial district; alternate Sunday duty 2 hours. Replies must state salary required (to live out) and a photograph must be enclosed; Dispensing and Counter chiefly; permanent. 302/901, Office of this Paper.

SURREY.—Qualified Assistant required about June 12 for good-class suburban business, fair N.H.I.; permanent progressive position to suitable applicant; lady preferred. State salary and full particulars in first letter to Jones, 376 London Road, Mitcham.

WESTMINSTER.—Elderly Chemist required for light relief duties, during half-days, and annual holidays. Reference and particulars to Vaughans, Chemists, 32 Strutton Ground, Westminster, London, S.W.1.

A QUALIFIED young man required for West End. Apply with details of experience and salary required to Mr. Murphy, 143 Charing Cross Road, London, W.C.2.

A YOUNG Lady Assistant is required to work with another Lady in a North London Pharmacy; must be a capable, Counter hand and Dispenser. Please reply without delay, giving the usual particulars, to 91/21, Office of this Paper.

APPLICATIONS are invited for the position of Junior Dispenser at high-class Pharmacy, to commence June 14. Write, giving full particulars of previous experience and salary required; send photograph if possible, to Mathews, The Bank Pharmacy, New Malden, Surrey.

ASSISTANT (male or female), required for three or four months; Counter and Shop duties; no D. and P.; no Sunday duty. State full details of wages required, references, etc., and send photo, if possible, Clegg & Co., Chemists, Weymouth.

ASSISTANT, Qualified (either sex); Dispensing and Counter; wanted immediately. State full particulars in first letter, A. J. Wing, 69 Powis Street, Woolwich, S.E.18.

ASSISTANT, Unqualified, for Photographic Counter; good Window-dresser, must be conversant with all modern Cameras and apparatus. Apply, stating age, experience, salary required, with photo. Broom, Reid & Harris, Exeter.

AT ONCE.—Qualified locum for one month; salary £4 per week. Tupholme, 1 Coleherne Terrace, Richmond Road, Earl's Court, S.W.5.

BRANCH Manager wanted for modern up-to-date Surrey Pharmacy as soon as possible. Apply, giving full particulars of training, experience, references and age, stating salary required, 91/520, Office of this Paper.

BUSINESS-BUILDER, Qualified, good knowledge of Photography, Optical Qualification an advantage to manage a well-established branch in West London suburb; ample scope for development; a man with a proved record will find this a comfortable and progressive appointment. Apply with full particulars; state when disengaged. 90/22, Office of this Paper.

CAPABLE Improver or Junior Assistant required end of June to September 11; good Salesman, knowledge of photography and Dispensing. State age, salary, references (applications not replied to within 5 days respectively declined), Holden, 127 High Street, Walton-on-Naze, Essex.

EVENING duty, Thursdays 5 to 8. Please apply by letter, stating experience, qualification and wages (no reply three days declined with thanks), Hughes & Co., 48 Fulham Road, S.W.3.

HILL & SHAW, Cheltenham, require the services immediately of a competent Assistant (gentleman, about 30), with good-class Dispensing, Counter and Window-dressing experience; tall; energetic; permanency to right man. Please give full particulars as to experience, age, height, salary required, and photo if possible (to be returned). Apply 357 High Street.

JUNIOR Assistant or Improver, for brisk cash business in Croydon, easy reach South London Colleges; time could be arranged; no Sunday duty. State age, height, salary required and when at liberty. Apply by letter, Barkers, 221 Upper Tooting Road, S.W.17.

JUNIOR Assistant, Unqualified, male or female, required. Reply, stating age, experience and salary required, and if possible enclose photo, to Wood's Pharmacy, Ltd., 37 High Street, Slough.

JUNIOR Unqualified Assistant wanted for High-Class Pharmacy in Surrey; excellent experience. Apply, giving full particulars of training and experience, references, etc., and state salary required. 91/52, Office of this Paper.

LADY Assistant (Unqualified) for the season. Please state salary, and give usual particulars, Thorp & Son, Bognor Regis.

LADY Assistant (Unqualified), S.E. London; a middle-class Family and Dispensing business; applicant must be a good Dispenser and be thoroughly competent. State age, experience and salary required. 90/230, Office of this Paper.

LADY Chemist required to Manage small branch in N.E. Lancashire; good N.H.I. experience essential; also ability to Dress Windows. Apply 302/925, Office of this Paper.

LOCUM.—Lady to take charge small Drug Store in village; three weeks commencing June 21. Please state terms and references and nearest date. Mrs. A. Turner, Drug Store, Willingham, Cambs.

LOCUM, Qualified, lady or gentleman, required August 3-14 or 9-21, to Manage light Retail business in a South London district; no Sunday duty. Please state full particulars and terms required to "M," c/o Browus, 37 Tothill Street, S.W.1.

LOCUM, Qualified Male, required June 7 to 19 inclusive. Please state full particulars and salary required, A. V. Wright, Ltd., 3 Queen Street, Hammersmith, W.6.

LOCUM, Qualified, required for two weeks from June 14. Particulars, references and salary required to H. R. Holman, M.P.S., 150 Burnt Ash Lane, Brounley, Kent.

LOCUM, Qualified, required July 10 or 12 to July 24, inclusive. Particulars to Goodall, 544 Manchester Road, Bradford, Yorkshire.

LOCUM, Qualified; young, required July 26—August 7 inclusive; no Sunday or Thursday duty. Salary, etc., Webster & Co., 352 Regents Park, Church End, Finchley, N.3.

MANAGER for Branch near Slough wanted, if required opportunity for buying same. Apply H. Pickett, Chemist, Farnham Common, Bucks.

MANAGER required for small branch in Kent Mining Village. Please apply with fullest particulars to 91/7, Office of this Paper.

MR. R. WOOLBY BROOKE has a vacancy for a Qualified Assistant, unmarried (male). Please send full particulars by post to "B," 38 Gloucester Road, S.W.7.

PHARMACY.—Female Assistant required, must have had Pharmaceutical and general shop experience; widows and single persons only considered. Apply in writing, stating age and experience, to the Staff Manager, Royal Arsenal Co-operative Society, Ltd., 113 Powis Street, Woolwich, S.E.18; endorse envelope "Pharmacy." Note.—Canvassing of members of the General Committee or officials will disqualify.

QUALIFIED and Unqualified Assistants required immediately for High-Class Business, London, W.; good training and Salesmanship essential; also Lady Assistant, capable of opening Toilet and Cosmetic Department; Pharmaceutical training unnecessary, but smart appearance and West End experience essential. 302/919, Office of this Paper.

QUALIFIED Assistant for Good-Class Pharmacy; willing, capable and energetic; good Dispenser and Counter man. Apply, with references, age, salary, experience, etc.; London, East. P.C.B. 245/3, Office of this Paper.

QUALIFIED Assistant (male), young, required immediately; Dispensing; accustomed to good-class work. Amoores, Chemists, 173 Sloane Street, S.W.1.

QUALIFIED Assistant required; either sex; middle-class trade and N.H.I. Dispensing; another Assistant kept; closed Sundays and 1 o'clock Thursdays. Particulars, experience, references, age and salary required, 163 Ripple Road, Barking, Essex.

QUALIFIED Assistant required for London, S.E. Please state full particulars, salary, etc., Briggs, Chemists, 126 Hoe Street, Walthamstow, London.

QUALIFIED Assistant required, permanency, lady or gentleman; full particulars of experience, age, salary required, and photograph in first instance. Murrays, 14 Electric Parade, Clacton-on-sea.

QUALIFIED Chemist required for East Yorkshire; excellent prospects to capable and energetic young man; immediate vacancy. Apply 302/922, Office of this Paper.

QUALIFIED Chemist required for South Coast from July 15, permanency; good Prescriber. References and particulars to 90/5, Office of this Paper.

QUALIFIED Chemist required immediately for a busy shop in S.E. London; this is a progressive permanency for a keen young man. State age, experience and salary required. 90/23, Office of this Paper.

QUALIFIED gentleman or lady required immediately for holiday relief until September. Please state full particulars of experience, age, salary required and when disengaged to Managing Director, Hodders, Ltd., 5 Nelson Street, Bristol.

QUALIFIED Junior Assistant (24) required immediately for Dispenser and Counter duties. The Prosser Roberts Co., Pharmaceutical Chemists, 13 Church Street, Camberwell, S.E.5.

QUALIFIED Junior, from June 28-September 4 or possibly a little longer. Full particulars and salary required in first letter. Lester & Williamson, Chemists, Great Heath, Coventry.

QUALIFIED Lady Assistant required immediately; Dispensing, Counter, etc. Particulars experience, age, height and salary required, to R. V. Copeland, 4 Queensway, Petts Wood, Kent.

QUALIFIED Lady or Gent. required for locum work (age 21 to 30), from July 1 to July 17, inclusive; wage £4 per week and £2 for the three days over the fortnight. Apply, at once, to Vincent Sims Horrocks, Chemist and Druggist, 20 Railway Road, Leigh, Lancashire. Photo please.

QUALIFIED Locum required for period August 16-28 inclusive; must have good knowledge of photography. Apply, stating fee, to H. W. Jacob, 79 High Street, Eltham, S.E.9.

QUALIFIED locum required for June 20-July 3; London area. Apply 90/9, Office of this Paper.

QUALIFIED Locums.—Multiple concern requires good men for a season; great possibility of permanency afterwards owing to expansion. Full particulars in first instance to 90/270, Office of this Paper.

QUALIFIED (Male) Assistant required for High-Class Pharmacy; excellent prospects Managership; a good Photographic experience preferred. Junior Lady Assistant. Will all applicants write, stating age, height, salary, and details previous experience? Holidays transferred. Mogg & Cunningham, 3 King Street, Twickenham.

QUALIFIED Manager (Male), for new Pharmacy opening shortly. State age, and fullest particulars of experience and career, also salary required, Thomas, Station Parade, Queensbury, Edgware.

QUALIFIED Manager, middle-aged man preferred, required for recently-established Branch shop in Bexley, Kent; must be live and progressive, and good Window-dresser. Call, or write, to 283 Walworth Road, London, S.E.17.

QUALIFIED, wanted to manage small branch; young energetic man. Apply, Oldroyd, Chemist, Halifax.

QUALIFIED (Young) for S.E. London; middle-class Retail, with N.H.I. and Photography. Please give age, wages, and usual particulars to 90/15, Office of this Paper.

RELIABLE Locum wanted for two weeks at Bellingham, S.E.6, from July 10 and two weeks at Hornchurch, Essex, from August 16. State age, salary and usual particulars to Rule & Co., Ltd., 79 Butts Green Road, Hornchurch.

REQUIRED at once.—Qualified Assistant (age about 24), good experience in all branches essential; permanency to right man or woman. Apply Neville Booth, 44 Cannon Hill, Old Southgate, N.14, with copies of testimonials.

REQUIRED shortly, at healthy seaside resort for summer, one Qualified and one Unqualified Assistant; must be well up in Photographic and Beauty Sales. Full particulars, with photo, if possible, salary required; lodgings very reasonable; good references essential, Hudsons, Chemists, Skegness.

PHOTOGRAPHS, TESTIMONIALS, &c.

When replying to advertisements in this section applicants are strongly advised not to send (unless specially requested) ORIGINAL TESTIMONIALS or VALUABLE PHOTOGRAPHS. Many of these announcements produce an exceptionally large response and, as can be readily understood, the task of returning photographs, testimonials, &c., is one of some difficulty.

SEMI-RETIRED Pharmacist required for half-day Wednesday relief; Hampstead district. 302/920, Office of this Paper.

T. & W. & W. SOUTHALL, 17 Bull Street, Birmingham 4, have a vacancy for a young, Qualified, married man; flat provided; give full particulars in first letter to the Manager.

TAYLORS, Dispensing Chemists, require Qualified Chemist in North of England and Midlands; permanent progressive post to suitable applicant. Apply Retail Staff Manager, 70 Vauxhall Bridge Road, London, S.W.1.

TEMPORARY Assistant required at once for about a fortnight, preferably lady. Apply, S. W. Hodge, 409 Hither Green Lane, S.E.13.

TEMPORARY Qualified Assistant (either sex) wanted immediately until end of July. Apply by letter, or in person, before 1 p.m. or after 6 p.m., 123 Brockley Rise, S.E.25.

TIMOTHY WHITES & TAYLORS have several vacancies for Qualified Chemists on relief staff in Southern Counties; good salaries and permanencies to suitable men. Apply Retail Staff Manager, 70 Vauxhall Bridge Road, London, S.W.1.

UNQUALIFIED Assistant (either sex) required immediately for brisk country business at Alresford, Hants. Apply, stating age, experience, salary, etc., to Trimming & Co., Ltd., High Street, Alton, Hants.

UNQUALIFIED Assistant, Young, for Good-Class Dispensing and Retail; Window-dresser; reliable. Please give full particulars, references, salary required, to Watson, 20 Strathearn Road, Wimbledon.

UNQUALIFIED Assistant, young, of smart appearance, with experience in Window-dressing, Dispensary and Counter work, wanted at once. Apply in person to C. R. Jones, 182 Kings Road, Chelsea.

UNQUALIFIED Junior (male) required; Dispensing, Photographic and Counter experience. Apply Wooland, 189 Station Road, Edgware.

UNQUALIFIED Junior required for good-class business, from June to September, inclusive. State age, experience, salary required. Wootton & Webb, 20 George Street, Luton.

UNQUALIFIED Lady Assistant wanted at once (Chesterfield district), with Counter and Dispensing experience. State full particulars, age, and salary desired, 91/23, Office of this Paper.

WANTED, about first week July, gentlemanly Junior or Improver for old-established Dispensing Business; excellent opportunity for additional experience; personal interview if from Home Counties; some Photographic and Dispensing experience. Apply, Parry Jones & Co., Dispensing Chemists, Barnet, Herts.

WANTED immediately, Qualified Lady or Gentleman, for middle-class business. Write, with usual references, and salary required, to 90/28, Office of this Paper.

WANTED, Manager; single-handed for small business in Northamptonshire; early start. 90/47, Office of this Paper.

WANTED, Qualified Assistant for June 14; willing worker. State age, experience, salary required, "Grovely," Nether-ton Road, Weymouth, Dorset.

WANTED.—Qualified lady, whole or part time, permanency if suitable. State salary, etc.; Manchester district. 89/16, Office of this Paper.

WANTED shortly, Qualified man; small Country business; single; live in; suit elderly man, one used to East Anglia preferred. 90/40, Office of this Paper.

WANTED shortly, smart young lady Assistant. Full particulars of experience and wage, Moore, Chemist, Keighley, Yorks.

WANTED, smart Qualified Assistant; single; must have thorough knowledge of Homœopathy in all its branches. Apply, stating age and all particulars to 90/50, Office of this Paper.

WANTED.—Young gentleman Assistant, for season or permanency; must be tall, capable and energetic. Write, stating age, height, salary required, and enclose photograph (any snap) with references, Frank Purcell, Photographic Chemist, Strand Street, Douglas, I.O.M.

YOUNG Qualified Chemist required. State experience, Managing Director, Phillips, 48 Wallgate, Wigan.

YOUNG Qualified Manager or Manageress required for medium-class branch; with view to succession on easy terms would be considered. Age, experience and salary required, Mitchell, Chemist, 145 High Road, Lee, S.E.

WHOLESALE

LONDON Wholesale Chemists, with established connexion, require Representative for Greater London; salary and commission; send fullest particulars of experience and ground, with view to an interview. 81/1, Office of this Paper.

A VACANCY exists with a large firm of Manufacturing Chemists in London for a young Copywriter to assist in the compilation of Medical Literature; previous experience essential. Write, giving full details of past experience and state salary required, 302/917, Office of this Paper.

BOOK-KEEPER wanted with experience in the Export of Pharmaceutical Preparations. 302/912, Office of this Paper.

PHARMACEUTICAL Assistant (age about 22) required by London firm of Manufacturing Chemists for Export Department; Qualification preferred but not essential; Retail experience and good business training necessary; when applying state age, salary required, previous experience, etc. 302/913, Office of this Paper.

REPRESENTATIVES calling on Chemists in any part of England or Wales seeking additional easy selling lines on commission are invited to write to 91/480, Office of this Paper, for details and application form.

WET Counter hand wanted for Chemical Works, East London district. Apply, 302/910, Office of this Paper.

COLONIAL, INDIAN AND FOREIGN

SOUTH AFRICA—Qualified Assistant with Optical Degree required for Pharmacy in Cape Province; possibility of Partnership for man with capital; passage paid; photograph must be enclosed with application. 302/909, Office of this Paper.

WEST AFRICA—Qualified Chemist; single, age 24/26; commencing salary £350 per annum; good prospects to suitable man. Apply, giving full particulars, to 301/888, Office of this Paper.

SPLENDID openings for young Pharmacists desirous of going abroad. Apply 302/916, Office of this Paper.

REPLIES FROM ADVERTISERS

SINGAPORE—Junior Assistant for Medical Hall, Ltd. This post is now filled; other applicants are thanked and photographs and original certificates being returned. Geo. W. Crawford, M.P.S., Whiting Bay, Arran, N.B.

SITUATIONS WANTED

RETAIL (HOME)

2s. for 18 words or less; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

A.A.A.—Manager, Qualified, single (35); London and provincial experience; Salesman, Window-dresser; near London; permanency preferred. "Pharmacist," 5 Sheffield Road, Slough.

A.A.—Locum or permanency; free now; Dispensing, Counter, Windows, Photography; Unregistered. Harries, 31 Prince's Square, Kennington, S.E.11.

ASSISTANT, experienced; temporary or locum; highest references; disengaged; London or near preferred. "A," 48 Hazelwood Avenue, Morden, Surrey.

ASSISTANT, Unqualified; all-round experience; excellent references; permanency or Locum; Bristol area. Stephens, 195 Whiteladies Road, Bristol.

ASSISTANT, West End experience, Counter and Dispensing; good reference; recently disengaged; locum or permanency; London only. Write to M. G. Birch, 4 Melrose Gardens, Hammer-smith, W.6.

ASSISTANT (31), Unqualified; tall, smart, thoroughly experienced and capable; seeks progressive permanency as Assistant or Manager; London only. 90/24, Office of this Paper.

BIRMINGHAM or Midland area preferred, but not essential; locum work undertaken; some vacant dates. Write Hanley, c/o 180 Lozells Road, Birmingham.

EVENING Work.—Qualified Pharmacist (27), N.P.U. locum seeks part-time, several evenings weekly, June 7-October; within 2 miles Charing Cross. Jones, 25 Hungerford Road, N.7.

GENTLEMAN, Unqualified, High-Class West End experience; Chiropody qualification and knowledge of Optics; seeks position or partnership in sound business. 90/14, Office of this Paper.

LADY Assistant (L.P.S.I.); good experience; desires Locum or permanency with Chemist or Doctor; London area; excellent references. 91/28, Office of this Paper.

LADY Chemist (L.P.S.I.), thoroughly experienced in all branches, desires post as Assistant to Chemist or Dispenser to Doctor; very highly recommended; season or permanent P.C.B. 245/5, Office of this Paper.

LADY Dispenser (Hall) seeks post; London or Essex preferred. Miss D. Lawrence, Wican-Croft, Hawkwell Chase, Hockley, Essex.

LOCUM or season Assistant, immediately; country; experienced, Dispenser, Counter, middle-aged man. Ajax, 10 Forest Road, Woodford Wells, E.18.

LOCUM, Qualified; disengaged May 31 to June 5, inclusive; any distance. Phone: Forest Hill 2323. "M.P.S.," 47 Perry Hill, Catford.

LOCUM, Qualified; fully experienced; abstainer (29); open May 31 to June 26, and later periods; Midlands preferred; good references; moderate fee. Lawrence Toon, 2 Ireton Road, Leicester.

PERMANENCY or locum; near Ealing; Qualified; 8½ years' medium and working-class, London; free now. X.Y.Z., 89/9, Office of this Paper.

PHARMACIST desires position as Manager or Superintendent in London; elderly, active and reliable; abstainer; moderate salary or arrangement. "S," c/o Collins, Ltd., 12a Coldharbour Lane, Camberwell, S.E.

PHARMACIST-MANAGER (24), Multiple, Private and Co-operative experience; free July 12-31, inclusive; unimpeachable references, conscientious, trustworthy, industrious worker; abstainer; hospital locum preferred. "S," 2 Durand Gardens, S.W.9.

QUALIFIED Chemist and Optician (middle aged) desires position in London as Manager-Assistant or Company Superintendent in middle-class business; small salary accepted if opportunity given to create Optical connexion. "Chemist," 35 Warren Road, Colliers Wood, S.W.19.

QUALIFIED (27) desires change; Manager or Assistant; varied experience; Dispensing, Photographic, Counter. Free one month, 90/7, Office of this Paper.

RELIABLE—Unqualified (35); late owner; 15 years' experience; Salesman, Dispensing, Prescribing. Photographic, pack lines for Wholesale and Retail. F. M., 85 Stanhope Gardens, Harringay, N.4.

RELIABLE Unqualified (41), seeks change in London district; Dispenser, efficient Salesman, Window-dresser; good record; act as right-hand man to busy Pharmacist. "C," 25 Canfield Place, N.W.6.

UNQUALIFIED Assistant (22) seeks permanency in North-East; good Counterhand, Dispenser, and excellent knowledge of Photographic trade including Ciné. 85/8, Office of this Paper.

UNQUALIFIED Assistant; five years' experience Dispensing, Window-dressing and Counter Work; 20 years of age; good appearance; free immediately; Lancashire or Yorkshire preferred, but not essential. Jack Bunn, 1 Hartington Street, Brierfield, near Burnley, Lancs.

UNQUALIFIED, retired middle-aged, Locum or part-time; excellent references; small salary accepted. 302/918, Office of this Paper.

NAMES AND ADDRESSES

When sending advertisements for any of the columns of this Supplement, advertisers—as a guarantee of good faith and not necessarily for publication—should always give their names and addresses. It sometimes occurs that this rule is not adhered to and delay and disappointment ensue. Strict attention to this detail will be appreciated.

UNQUALIFIED.—25 years' Retail experience; all-round man; disengaged; experienced Dispenser.—Mead, 30 Kew Bridge Court, Chiswick, W.4.

WELL experienced, Unqualified male, requires locum, June 14 to July 10 and September 6 onwards; undeniable references. Barnes, 21 Disraeli Road, Putney, S.W.15.

WHOLESALE

A.A.A.A.A.—Young energetic Scot, M.P.S., F.F.Sc., F.I.C.A., thoroughly conversant with every phase of the business, desires interview with progressive house with view to Assistant or Works or Staff Managership with part representation entertained; first-class Retail and Wholesale experience; now Representing Pharmaceutical, Dental and Medical House of repute; capabilities bear strictest investigation. 91/37, Office of this Paper.

ADVERTISER, experienced Representative, Qualified, desires change, established Drug and Sundries House; London territory. M.P.S., 39 Leythe Road, W.3.

ADVERTISER (35) seeks change; excellent knowledge and experience Buying of all requirements for Manufacturing and packed goods trade; materials in bulk, bottles, tins, cartons, etc.; also works costs, organisation and management; post as Buyer, Assistant to Principal or Manager needing relief from detail; Salary £5/£6. 91/36, Office of this Paper.

COSMETIC Chemist; well up in the Manufacture and Packing of Beauty Preparations and Toilet articles; just about to finish contract with well-known large Bond Street firm; open for engagement, free end of month; practical man in Production, Compiling own Formulae, Buying, Costing, Machinery, Packings, Full Control of Staff, Male and Female; go anywhere required. J. M., 61 Delamere Road, Hayes, Middlesex.

FOREWOMAN seeks position in factory; used to controlling female labour. P.G., 91/11, Office of this Paper.

PHARMACIST, wide experience in Retail, Hospital, Wholesale (calling on Doctors, Dentists, Chemists), offers services as Supervisor, Representative, or would undertake Medical Propaganda; car driver; free to reside anywhere. Pharmacist, 23 Old Manor Drive, Isleworth, Middlesex.

REPRESENTATIVE Salesman calling on Chemists, etc., S.W. London, Surrey, etc., wants additional line; well educated, proper personality and appearance, own car. 86/3, Office of this Paper.

COLONIAL, INDIAN AND FOREIGN

PPRÉPARATEUR Auglais, 45 Ans, très au courant Pharmacie Anglo-Française, 15 ans pratique, France et colonies; excellentes références; parlant Français, Italien; cherche situation dans capital ou provinces. Robert, La Naze, Valmondois, Seine-et-Oise, France.

FOR SALE

(Articles to the value of £5-£50.)

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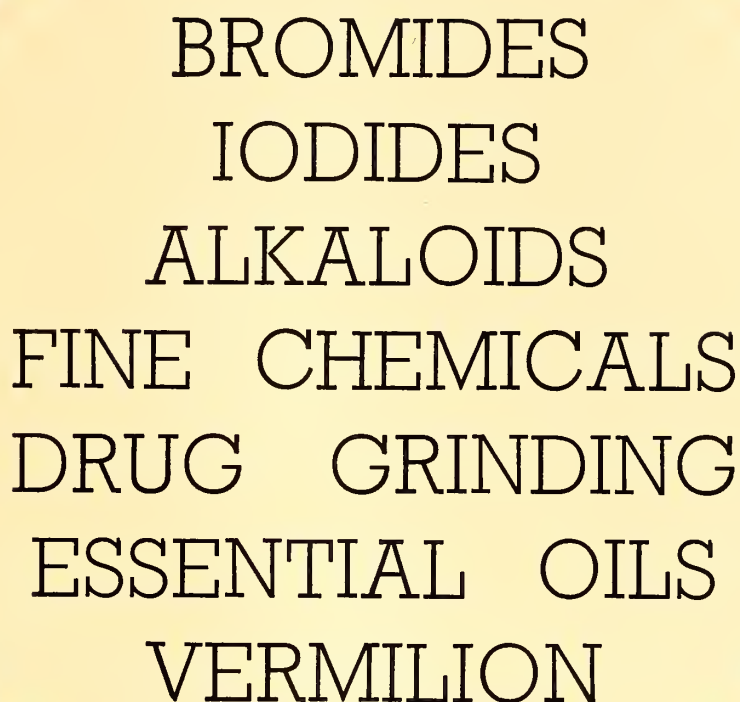
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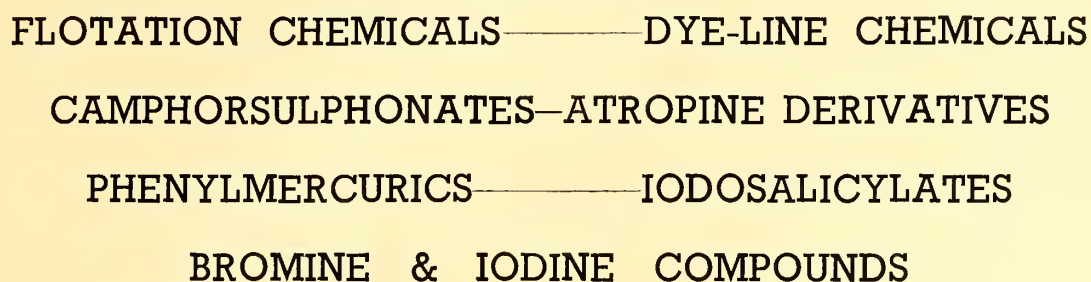
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